**Application Form D:**

**Relevant Environmental Assessment, Relevant National Permits and Confirmation of Location**

Photovoltaics subcategories a,b and c

“**Environmental Assessment**” covers: the identification of potential environmental effects, and assessment of potential environmental impacts of the Project and also relevant mitigation measures. This section covers the environmental studies / assessments / modelling and related activities that have been or will be undertaken for the various Project phases (including investment preparation, construction, operation and decommissioning).

This section on relevant environmental assessment is to be completed by the Project Sponsor.

It needs to be demonstrated that the Project Sponsor has suitable previous experience in undertaking environmental assessment.

It needs to be demonstrated that suitable environmental assessment has been / will be undertaken to demonstrate that all potential environmental effects (and resulting impacts) relating to the various Project phases are considered. Where potential environmental impacts exist, it must be demonstrated that suitable mitigating / compensation measures can be employed. Ultimately, it must be demonstrated that all potential environmental effects relating to the various Project phases have been identified, assessed and mitigated and the selected Project site is feasible for its proposed purpose.

In addition, it needs to be demonstrated that all required environmental work (including environmental studies / assessments / modelling / public consultation process) to support the relevant Permit applications will be completed in sufficient time to ensure that the start up of commercial operation of the Project can take place by 30 June 2018 on the basis of the adoption of the respective award decision by 30 June 2014.

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#### Section D1: Relevant Environmental Assessment

With regard to point 1 please provide a response as indicated.

With regard to each of the points 2 to 3 below (inclusive) please provide a response within Table D.1.

With regard to point 4, concerning the environmental work to support the relevant Permit applications for the Project, please provide a response within Table D.2.

1. Please provide details of suitable previous experience in undertaking environmental work on 5 previous Projects. This should include, as a minimum, a description of the Project, and the environmental studies / assessments / modelling undertaken. For each Project the word count should be no greater than 500 words.
2. Please provide a summary of the sponsor(s) Health, Safety and Environmental Policy including when applicable references to certified accreditation HSE management systems.
3. Please provide a summary of potential environmental impacts relating to the various Project phases with regard to each aspect of the environment identified in Table D.1. Where potential environmental impacts exist, please provide a summary of the mitigating / compensation measures to be employed. Within the summary, please include details of the environmental studies / assessments / modelling which have been undertaken to inform the assessment. Please provide copies of the supporting environmental documentation / reports / studies / assessments / modelling.
4. Please provide a map illustrating the project location with respect to the nearest (within a 20 km radius) Natura 2000 sites and other protected or sensitive areas.
5. If relevant, please identify where there are gaps in the understanding of potential environmental impacts relating to the various Project phases with regard to each aspect of the environment identified in Table D.1. Please include details of the actions which the Project Sponsor intends to take to close the gaps in the understanding of the potential environmental impacts. This should include details of any further environmental studies / assessments / modelling which will be required.
6. Please provide details in Table D.2 (Permit Details) of the required environmental work (including environmental studies / assessments / modelling) to support the relevant Permit applications together with details of timetables for completion.
7. Please provide a description of the (planned/realised) public consultation process including if applicable/available a summary of main concerns expressed by stakeholders.

**Table D.1 - Potential environmental effects and resulting impacts**

Please note that Table D.1 should demonstrate that all potential environmental effects (and resulting impacts) relating to the various Project phases have been / will be identified, assessed and mitigated and the selected Project site is feasible for its proposed purpose.

Where there are gaps in the understanding of potential environmental effects (and resulting impacts) relating to the various Project phases, Table D.1 should identify these gaps and include details of the actions which are to be taken to close the gaps.

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Construction*** | ***Operation*** | ***Decommissioning and after*** |
| ***Environmental Considerations*** | | | |
| Air |  |  |  |
| Cultural Heritage |  |  |  |
| Geology and Land Contamination |  |  |  |
| Hydrology, Hydrogeology and Flood Risk |  |  |  |
| Land Use (including land acquisition, if relevant) |  |  |  |
| Landscape and Visual |  |  |  |
| Nature (Flora/Fauna) |  |  |  |
| Noise and Vibration |  |  |  |
| Resources (including fuel supply) |  |  |  |
| Transport and Infrastructure |  |  |  |
| Waste Management |  |  |  |
| Water Quality and Resources |  |  |  |
| Hazardous Substances |  |  |  |
| Health |  |  |  |
| Safety |  |  |  |

#### Section D2: Relevant National Permits

The term ‘permit’ refers to all or any permits, permissions, licences, consents, authorisations or approvals necessary under relevant applicable energy and infrastructure and/or environmental and/or planning and/or health and safety legislation.

It needs to be demonstrated that relevant national Permits for the Project are in place and in accordance with the relevant requirements under national and EC legislation. Alternatively it needs to be demonstrated that the relevant Permit procedures are underway and that the process is sufficiently advanced to ensure the start up of commercial operation of the Project can take place by 30 June 2018 on the basis of the adoption of the respective award decision by 30 June 2014.

This section on relevant national Permits is to be completed by the Project Sponsor.

**Permit Details**

With regard to each of the questions 1 to 4 below (inclusive) please provide responses to each section of Table D.2 below which provides a framework for the planning, energy and infrastructure, environmental, habitats, health and safety requirements for the Project.

1. Please provide a list of all national Permits required under relevant national and European legislation in order to construct and operate the Project (please see list of EU Directives below by way of example, please note this list is not exhaustive).
2. Of the Permits identified at 1 above, please identify those which are held as at the date of this application. Please provide copies of those Permits and supporting studies/documentation.
3. Of the Permits identified at 1 above, please identify those which are pending. Please provide copies of Permit applications with details of the anticipated completion date. Is the applicant aware of any conditions likely to be attached to the pending Permits. If so, please provide details of these and the applicant’s compliance proposals. Does the applicant identify any potential difficulties in obtaining any such Permits, including any local or non governmental organisation opposition? If so, please provide details.
4. Of the Permits identified at 1 above, please identify those which have not yet been applied for together with details of anticipated application date and timetable for completion. Please provide a summary of any dialogue already undertaken with the relevant authority or commercial entity which will issue any such Permits. Does the applicant identify any potential difficulties in obtaining any such Permits, including any local or non governmental organisation opposition? If so, please provide details.

When completing Table D.2, please set out the following:

* The title of the Permit
* The area of the Project covered by the Permit
* The granting authority or commercial entity
* A written summary description of the Permit.

**Table D.2 Permit information-List of permits obtained and/or required**

Please note that in Table D.2, sections A-E are provided as examples and are not an exhaustive list of areas and matters which will require a Permit. Please ensure that all relevant national Permits required or anticipated to be required for the Project are set out in Table D.2.

|  |  |  |
| --- | --- | --- |
| A | Energy / Infrastructure (e.g. Permits for pipelines, overhead lines, cables, generation, transmission, transportation, greenhouse gas emissions, connection to grid/network) | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |
| B | Environmental Permits (e.g. Permits in relation to water discharges, marine areas, waste, air emissions and storage of carbon dioxide) | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |
| C | Habitats and Conservation (e.g. Permits for the relocation of wildlife / compensatory habitat, impacts on Natura 2000 areas or other similar areas) | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |
| D | Health and Safety (e.g. risk assessments for the construction and/or operation of the project including pipelines, Permits for the storage or transport of any hazardous substances and any occupational health issues) | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |
| E | Planning (e.g. Permits for any planning aspect of the Project, environmental impact assessment) | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |
| F | Other | Status (submitted at / approved at etc.) |
|  | 1 |  |
|  | 2 |  |

#### Section D3: Confirmation of Location

The Project Sponsor should describe the key aspects of their Project in this Application Form.

The Project Sponsor should distinguish where elements of the Project have been confirmed and where further work is required to progress Project design. Where such further work will be undertaken during the course of the Project, the Project Sponsor should outline their process for doing so including the process for monitoring and managing associated risks. The Project Sponsor may include diagrams to support their descriptions.

All maps used to identify the location of the Project site(s) and any associated linear developments should where appropriate accurately identify the relevant Member State boundaries, the extent of any Extended Economic Zones and /or the extent of the Member State Continental Shelf.

## Power Plant Site

1. A description of the proposed site location and ownership is required.
2. A preliminary Plot Plan is required clearly identifying power plant areas for the solar module, inverter cabinets, cabling layout, transformer cabinets and ancillary elements of the CPV, Si-thin-film PV or CIGS PV power plant.
3. The Plot Plan should identify surface areas and sizes for the Power Plant including modules per string, number of strings, number of inverters and transformer.

## Grid Connection

1. A description of the proposed grid connection for the generated energy delivery is required. This should include details of any significant features such as crossing of paths, roads or rivers and crossing of Member State Boundaries.
2. A transport scheme plot layout showing location of major plant, roads, buildings, lay-down areas, etc associated with the Project.

**List of potentially applicable EU legal instruments**

This list has been provided for illustrative purposes to show examples of potentially applicable EU legal instruments to the Projects. This list is not intended to be an exhaustive list, and the legal instruments listed do not necessarily apply to any or all categories of Projects, or to any or all Projects within a given category Please note that any Permit requirements under national legislation will need to be considered in addition to the requirements under any EU legal instruments

1. **CCS Directive** - (Directive 2009/31/EC of the European Parliament and of the Council of 23 April 2009 on the geological storage of carbon dioxide and amending Council Directive 85/337/EEC, European Parliament and Council Directives 2000/60/EC, 2001/80/EC, 2004/35/EC, 2006/12/EC, 2008/1/EC and Regulation (EC) No 1013/2006).
2. **SEA Directive** - (Directive 2001/42/EC of the European Parliament and of the Council of 27 June 2001 on the assessment of the effects of certain plans and programmes on the environment)
3. **EIA Directive** - (Directive 2011/92/EU of the European Parliament and of the Council of 13 December 2011 on the assessment of the effects of certain public and private projects on the environment
4. **Habitats Directive** - (Council Directive 92/43/EEC of 21 May 1992 on the conservation of natural habitats and of wild fauna and flora)
5. **Birds Directive** - (Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds)
6. **Environmental Liability Directive** - (Directive 2004/35/CE of the European Parliament and of the Council of 21 April 2004 on environmental liability with regard to the prevention and remedying of environmental damage)
7. **Large Combustion Plants Directive** - (Directive 2001/80/EC of the European Parliament and of the Council Of 23 October 2001 on the limitation of emissions of certain pollutants into the air from large combustion plants)
8. **IPPC Directive** - (Directives 2008/1/EC and 2010/ 75/EU of the European Parliament and of the Council of 15 January 2008 concerning integrated pollution prevention and control)
9. **RES Directive** - (Directive 2009/28/EC on the promotion of the use of energy from renewable sources and amending and subsequently repealing Directives 2001/77/EC and 2003/30/EC)
10. **Waste Directive** - (Directive 2006/12/EC of the European Parliament and of the Council of 5 April 2006 on waste)
11. **Hazardous Waste Directive** - (Council Directive of 12 December 1991 on hazardous waste (91/689/EEC))
12. **Marine Strategy Framework Directive** - (Directive 2008/56/EC of the European Parliament and of the Council of 17 June 2008 establishing a framework for community action in the field of marine environmental policy )
13. **Water Framework Directive** - (Directive 2000/60/EC of the European Parliament and of the Council of 23 October 2000 establishing a framework for Community action in the field of water policy)
14. **Emissions Trading Directive** - (Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC).
15. **REACH** - (Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC).
16. **Seveso II Directive** - (Directive 2003/105/EC of the European Parliament and of the Council of 16 December 2003 amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances).
17. **Health and Safety Framework Directive** - (Council Directive of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work (89/391/EEC)).
18. **Public Participation Directive** - (Directive 2003/35/EC of the European Parliament and of the Council of 26 May 2003 providing for public participation in respect of the drawing up of certain plans and programmes relating to the environment and amending with regard to public participation and access to justice Council Directives 85/337/EEC and 96/61/EC - Statement by the Commission).