

Application Form for Permission / Approval in respect of a Strategic Infrastructure Development

1.

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	Please specify the statutory	Section 182A of the Planning and
	provision under which your	Development Act, 2000 (as amended)
	application is being made:	

2. Applicant:

Name of Applicant:	Sure Partners Limited (SPL)
Address:	Red Oak South,
	South County Business Park,
	Leopardstown,
	Dublin 18.
	D18 W688
Telephone No:	087 148 8852
Email Address (if any):	Matthew.Vesey@sse.com

3. Where Applicant is a company (registered under the Companies Acts):

Name(s) of company	Barry Kilcline	
director(s):	Paul Cooley	
	Barry O'Regan	
Registered Address (of	Red Oak South,	
company)	South County Business Park,	
	Leopardstown,	
	Dublin 18.	
	D18 W688	
Company Registration No.	291493	
Telephone No.	087 148 8852	
Email Address (if any)	Matthew.Vesey@sse.com	

4. Person / Agent acting on behalf of the Applicant (if any):

Name:	Moira Walsh, Ove Arup & Partners Ireland Ltd.
Address:	One Albert Quay, Cork T12 X8N6 Ireland
Telephone No.	021 422 3200
Mobile No. (if any)	N/A
Email address (if any)	moira.walsh@arup.com

Should all correspondence be sent to the above address? (Please tick appropriate box)
(Please note that if the answer is "No", all correspondence will be sent to the Applicant's address)

Contact Name and Contact Details (Phone number) for arranging entry on site if required / appropriate:

Sean Barron 087 3779654

Yes: [x] No:[]

SSE Renewables / Sure Partners Limited

5. Person responsible for preparation of Drawings and Plans:

Name:	Moira Walsh
Firm / Company:	Ove Arup & Partners Ireland Ltd.
Address:	One Albert Quay, Cork T12 X8N6 Ireland
Telephone No:	021 422 3200
Mobile No:	N/A
Email Address (if any):	moira.walsh@arup.com

Details all plans / drawings submitted – title of drawings / plans, scale and no. of copies submitted. This can be submitted as a separate schedule with the application form.

See attached schedule.

6. Site:

6. Site:			
Site Address / Location of the Proposed Development (as may best identify the land or structure in question)	the townla South, Se Templera	osed development will be ands of Johnstown North eabank, Ballymoney, Kill hiny, Coolboy, Kilbride, S e Lower and Ballyraine Northing	h, Johnstown liniskyduff, Shelton Abbey,
Ordnance Survey Map Ref No. (and the Grid Reference where available)	The OS Map Ref No.'s are 4369, 43 and 4428.		4370, 4427
Where available, please provide the application site boundary, as shown in the submitted plans / drawings, as an ESRI shapefile in the Irish Transverse Mercator (ITM IRENET95) co-ordinate reference system. Alternatively, a CAD file in .dwg format, with all geometry referenced to ITM, may be provided.			
Area of site to which the application relates in hectares 65.43 h			65.43 ha
Site zoning in current Development Plan for the area:		Part of the development falls within the Arklow & Environs Local Area Plan designated settlement boundary (substation, connection to National Electricity Transmission Network, flood defence improvement works and the southwestern end of the cable route). The following zonings apply as per the Arklow & Environs LAP:	
		- E1 Employment and part of cabl	
		- 0S2 – Open Spa lines at connect Electricity Trans Network)	ion to National
		- R10 – New Res of cable route	idential – part
		- AAP4 – Mixed U development – p route	
		From the landfall to the which the cable route of R772 and from the poil cable route crosses the	crosses the nt where the

Steam to the Avoca River Business Park, the zoning is open countryside, Level 10 – Rural area as per the Wicklow County Development Plan. The Arklow and Environs Local Area plan 2018-2024 identifies the former IFI factory site at Shelton Abbey as an 'Employment Opportunity Site' given its strategic infrastructure assets. Existing use of the site & proposed The proposed landfall at Johnstown use of the site: North comprises undulating pasture fields located behind the sea cliffs. The proposed cable will be underground for its entire length, and the majority of the route will traverse agricultural lands, with five public road and eight watercourse crossings. The site of the proposed 220 kV substation is in a brownfield site, part of the former Shelton Abbey Demesne that occupied the low lying (3.0 to 6.0m OD) floor of the Avoca River Valley, and on the northern side of the river corridor. The proposed flood defence improvement works and the connection to the National Electricity Transmission Network are also located within the demesne as detailed above. When complete, the landfall and onshore export cable route will be reinstated, with only marker posts evident above ground. The substation, connection to the National Electricity Transmission Network and the flood defence improvement works will be the main above ground expressions on a permanent basis. Wicklow County Council Name of the Planning Authority(s) in whose functional area the site is situated:

7. Legal Interest of Applicant in respect of the site the subject of the application:

Please tick appropriate box to show applicant's legal interest in the land or structure:	Owner	Occupier	
	Other	<u> </u>	
Where legal interest is "Other", pl land or structure.	ease expand further o	on your interest in the	
See attached schedule. In due course, the proposed development will be constructed by SPL, subject to the authorisation and consent of the Commission for Regulation of Utilities, pursuant to statutory powers in the Electricity (Supply) Act 1927 (as amended).			
If you are not the legal owner, please state the name and address of the owner and supply a letter from the owner of consent to make the application as listed in the accompanying documentation.			
See attached schedule.			
It is confirmed that part of the pro under a public road (i.e. part of th undertaken by a statutory underta services in connection with the pr	e two 220kV HVAC caker having a right or roposed development	ircuits) is to be interest to provide	
Does the applicant own or have a beneficial interest in adjoining, abutting or adjacent lands? If so, identify the lands and state the interest.			
No			
8. Site History:			
Details regarding site history (if known):			

Has the site	in ques	stion ever, to your knowledge, been flooded?
Yes: [x]	No: []

Arklow and Environs Local Area 2018 Plan: Strategic Flood Risk Assessment Guidelines sets out Flood Zones in relation to land use planning and development suitability. Very minor flooding on the substation site is shown in the mapping, and based on a precautionary approach, the site sits within Zone A. A Flood Risk Assessment has been prepared and accompanies the consent application.

Are you aware of previous uses of the site e.g. dumping or quarrying?

Yes: [x] No:[]

If yes, please give details:

If yes, please give details e.g. year, extent:

The Avoca River Business Park was occupied by the Irish Fertiliser Industries (IFI) manufacturing plant until 2003. The IFI plant was the subject of an EPA licence (Register Number: P0031-02). The Avoca River Business Park including, the site of the proposed substation, was removed from the licence through a partial licence surrender and the manufacturing plant was demolished. No licence obligations remain applicable to the proposed substation site. An adjacent area to the east of the Avoca River Business Park remains licensed by the EPA due to presence of a historic landfill. Further details are provided in the EIAR accompanying this consent application.

Are you aware of any valid planning applications previously made in respect of this land / structure?			
Yes: [X] No:[]			
If yes, please and details of	state planning register reference of applications	number(s) of same if known	
Reg. Ref. No:	Nature of Proposed Development	Nature of Final Decision of Application Grant of Refusal by Planning Authority / An Bord Pleanála	
18940	Crag Digital Avoca Limited Data Centre - Demolition of buildings and structures on site, construction of Data Storage Facility comprising 3 data storage buildings and all associated site infrastructure. One of the data halls is within the proposed substation site.	Permission granted	
201285	Crag Digital Avoca Limited Data Centre – amendment application on the same site as above. One of the data halls is within the proposed substation site.	Notification of Grant subject to appeal	
structure in the any required Article 19(4) amended.	ning application has been made in ne 6 months prior to the submission site notice must be on a yellow ba of the Planning and Development i	n of this application, then ckground in accordance with regulations 2001 as	
Is the site of the proposal subject to a current appeal to An Bord Pleanála in respect of a similar development?			
	Yes: [] No:[X]		
If yes please specify			
An Bord Pleanála Reference No.:			

9. Description of the Proposed Development:

Brief description of nature and extent of development

The proposed development is the Arklow Bank Wind Park Phase 2 Onshore Grid Infrastructure (hereinafter referred to as the proposed development). The Arklow Bank Wind Park (ABWP) is an offshore wind farm, located off the coast of County Wicklow, on the east coast of Ireland. A Foreshore Lease was granted for the development of a wind park on the Arklow Bank in 2002. Arklow Bank Wind Park Phase 1 was constructed in 2003 – 2004 consisting of seven wind turbines. Phase 1 is owned and operated by Arklow Energy Limited under a sublease to the Foreshore Lease. Sure Partners Limited, a wholly owned subsidiary of SSE plc (SSE), is now proposing to develop the remainder of the ABWP, Arklow Bank Wind Park Phase 2 (the Project), under the existing Foreshore Lease. The proposed development comprises the onshore grid infrastructure (OGI) to be developed as part of the Project.

The proposed development will comprise the onshore grid infrastructure (OGI) including 220kV export cable circuits and fibre optic cables, from the landfall of the offshore export cable circuits at Johnstown North, to a proposed new 220kV Gas Insulated Switchgear (GIS) substation at Shelton Abbey and overhead line connection from the new substation to the National Electricity Transmission Network (NETN), and associated ancillary works as described below, with an overall proposed development site area of 65.43ha. The proposed development will be located in the townlands of Johnstown North, Johnstown South. Seabank, Ballymoney, Killiniskyduff, Templerainy, Coolboy, Kilbride, Shelton Abbey, Ballyraine Lower and Ballyraine Middle in County Wicklow and will consist of the following principal elements:

- Landfall at Johnstown North, located approximately 4.5km northeast of Arklow Harbour, including:
 - Two offshore high voltage alternating current (HVAC) export cable circuits, each comprising of a single three core cable, laid underground below the cliff at Johnstown North, by horizontal directional drilling (HDD), from the High Water Mark (HWM) to two Transition Joint Bays (TJBs); and
 - Fibre optic cables, for operation and control purposes, laid underground with the export cable circuits; and
 Two permanent underground

- Transition Joint Bays (TJBs), one for each cable circuit, to allow connection between onshore and offshore cable circuits; and
- A permanent access track, in crushed stone, approximately 4.5m wide, from the existing access point on the R750 to the TJB locations, with an associated entrance gate and bituminous bellmouth; and
- A temporary HDD compound, up to 4,900m² in area, with associated temporary access track and passing place, at Johnstown North, to the west of the R750 road, in one of two possible locations as detailed on the planning drawings accompanying the planning application, to facilitate the HDD operations; and
- Biodiversity enhancement planting of approximately 16,000m² using a mixture of native woodland species; and
- Associated ancillary works.
- Two Onshore 220kV HVAC Cable Circuits, from the Transition Joint Bays at Johnstown North to the new 220kV substation at Shelton Abbey, including:
 - Two onshore cable circuits, each comprising three 220kV HVAC single core cables, laid underground in trenches and by HDD, over a distance of approximately 6km between the Transition Joint Bays (TJBs) and the new onshore 220kV substation; and
 - Fibre optic cables for operation and control purposes, and earthing cables, laid underground with the HVAC cables over a distance of approximately 6km between the Transition Joint Bays (TJBs) and the new onshore 220kV substation; and
 - 20no. underground joint bays at intervals along the route; and
 - Ground level marker posts at intervals along the cable route; and
 - A temporary cable construction compound, up to 15,000m² in area, at Johnstown North, to the west of the R750 road, in the alternate location (from the final selected temporary HDD compound) as detailed on the planning drawings accompanying the planning

- application to facilitate construction of the onshore cables; and
- Temporary HDD compounds (entry and exit compounds), each being up to 3,000m² in area, to facilitate crossing of the R772 road and the Templerainy watercourse, in the townlands of Killiniskyduff and Coolboy. Temporary HDD compounds, with the entry compound being up to 4,000m² and the exit compound being up to 3,000m² in area, to facilitate crossing of the M11 motorway and Sheepwalk watercourse, located in the townland of Kilbride (if HDD is the selected option for crossing the M11); and
- Temporary access tracks (approximately 4.5m wide) and temporary haul roads (approximately 5.5m wide), with associated passing places, in the townlands of Johnstown North, Johnstown South, Seabank, Ballymoney, Killiniskyduff, Templerainy, Coolboy, Kilbride, Shelton Abbey and Ballyraine Lower, in crushed stone, with associated signage and drainage measures, to provide access to and along the cable route other than those provided directly from a public road, as shown on the planning drawings accompanying this planning application with temporary structures provided at watercourse crossings along these haul roads; and
- Where a joint bay cannot be accessed by an existing track, permanent access tracks, approximately 4.5m wide, in crushed stone, with entrance gates and bituminous bellmouths at the junctions with the public road; the permanent access track in Johnstown South will also include a precast concrete culvert crossing of the Johnstown South watercourse; and
- Associated ancillary works.
- A new **onshore 220kV substation**, to be located at Shelton Abbey, north of the Avoca River, at the Avoca River Business Park, approximately 2.1km northwest of Arklow Town consisting of two connected compounds:

- The transmission compound, with the infrastructure to physically connect to the NETN, including:
 - 220kV GIS substation building 61m x 18.5m and 17m in height;
 - 2no. new 220kV overhead line towers, each with a maximum height of 40m above the ground;
 - Medium voltage power supply via a small unit substation and underground cable circuit from the existing adjacent 110kV substation:
 - House transformer; and
 - Diesel generator.
- The connection compound, with the infrastructure to allow the connection of the windfarm in accordance with EirGrid Grid Code requirements, including:
 - 220kV GIS substation building 50m x 23.75m and 17m in height;
 - 2 no. STATCOM buildings, approximately 30m x 23m and 10m in height, housing equipment and control panels with adjacent compounds and 220/33kV transformers;
 - 2 no. harmonic filters;
 - 2 no. voltage regulation devices;
 - telecommunications mast up to 50m in height;
 - house transformer:
 - diesel generator; and
 - lightning arrester masts, up to 30m in height.
- Temporary construction compound for the construction of the 220kV substation (located within the permanent footprint of the new substation site) and to support the construction of the western end of the onshore 220kV HVAC cable circuits as well as the connection from the substation to the NETN. This compound will be up to 10,000m² in area:
- Potable water for the substation will be provided by a new watermain, connected to the existing watermain outside the perimeter of the substation site; foul wastewater will be collected independently from both substation compounds, temporarily stored in suitable holding tanks and periodically removed from site by licensed

- contractors; surface water will be collected and discharged to the existing drainage infrastructure in place, which drains to a ditch around the western and northern boundary of the site and to the canal near the southern boundary of the site;
- Both substation compounds will be secured around the perimeter with boundary palisade fencing, posts and railings, with new entrance gates, site lighting and CCTV security measures also provided; and
- Access to both the transmission and connection compound will be from the existing road network, with separate site access roads and new junctions provided to each compound, along the northern and western boundary of the site; provision for 15no. car parking spaces, 10 within the connection compound and 5 within the transmission compound is also included, as is site surfacing and landscaping; and
- Associated ancillary works.
- Flood defence improvement works to the existing Avoca River Business Park flood defences located approximately 500m west of the substation site, comprising:
 - Localised raising of the existing flood defence embankment level from approximately 5.8m OD to 6.5m OD, over a distance of up to 75m; and
 - Temporary working areas to facilitate construction of the flood defence improvement works; and
 - Associated ancillary works.
- A 220kV overhead line 'loop in' connection from the new 220kV substation at Shelton Abbey to the existing 220kV transmission network located approximately 200m from the substation site in the townlands of Shelton Abbey, Ballyraine Lower and Ballyraine Middle, comprising:
 - A new double circuit lattice steel angle tower, (to the east of the new substation) with maximum height 40m above the ground and re-stringing the overhead line (OHL) from an existing tower to this new tower:

- Stringing a new OHL from the new tower into the transmission substation site to a new tower. The OHL will consist of up to 6 conductors (3 conductors on either side of the towers) and one shield wire with fibre optic wrap. The shield wire is the top wire and is connected to the top of the A new double circuit lattice steel angle tower. (south of the new substation and Avoca River) with maximum height 40m above the ground and re-stringing the OHL from an existing tower to this new tower; Stringing a new OHL from the new tower into the transmission substation site to a new tower. The OHL will consist of up to 6 conductors (3 conductors on either side of the towers) and one shield wire with fibre optic wrap. The shield wire is the top wire and is connected to the top of the towers: The current towers to the east and south of the new substation and the existing OHL span between these towers will be decommissioned. One will be removed, with the foundation being left in situ. The other tower will be removed including the foundation to c. 1m below existing ground level; and Temporary working areas to facilitate construction of the new 220kV towers and decommissioning of existing 220 kV towers; and Associated ancillary works.
 - 10. In the case of mixed development (e.g. residential, commercial, industrial, etc), please provide breakdown of the different classes of development and a breakdown of the gross floor area of each class of development:

Class of Development:	Gross Floor Area in m ²	
N/A	N/A	

11. Where the application relates to a building or buildings:

Gross floor space of any existing buildings(s) in m ²	N/A
Gross floor space of proposed works in m ²	Substation Buildings: - Transmission Compound - 220kV GIS substation = 2,227m². - Connection Compound - 220kV GIS substation building = 2,375m². - Connection Compound – 2 no. 33kV STATCOM buildings = approximately 505m² each. - Connection Compound – 2 no. 33kV GIS Building = approximately 157m² each.
Gross floor space of work to be retained in m ² (if appropriate)	N/A
Gross floor space of any demolition in m ² (if appropriate)	N/A

12. In the case of residential development please provide breakdown of residential mix:

Number of	Studio	1 B	ed	2 Bed		3 Bed	4 Bed	4 + Bed	Total
Houses	N/A	N/	Ά	N/A		N/A	N/A	N/A	N/A
Apartments	N/A	N/	Ά	N/A		N/A	N/A	N/A	N/A
Number of car-parking Exis spaces to be provided		ting:	Pr	oposed:		Total:			

13. Social Housing:

Please tick appropriate box:	Yes	No
Is the application an application for permission		
for development to which Part V of the		X
Planning and Development Act 2000 applies?		

If the answer to the above question is "yes" and the development is not exempt (see below), you must provide, as part of your application, details as to how you propose to comply with section 96 of Part V of the Act.

If the answer to the above question is "yes" but you consider the development to be exempt by virtue of section 97 of the Planning and Development Act 2000, a copy of the Certificate of Exemption under section 97 must be submitted (or, where an application for a certificate of exemption has been made but has not yet been decided, a copy of the application should be submitted).

If the answer to the above question is "no" by virtue of section 96 (13) of the Planning and Development Act 2000, details indicating the basis on which section 96 (13) is considered to apply to the development should be submitted.

14. Where the application refers to a material change of use of any land or structure or the retention of such a material change of use:

Existing use (or previous use where retention permission is sought)
N/A
Proposed use (or use it is proposed to retain)
N/A
Nature and extent of any such proposed use (or use it is proposed to retain).
N/A

15. Development Details:

Please tick appropriate box:	If answer is yes please give details	YES	NO
Does the proposed development involve the demolition of a Protected Structure(s), in whole or in part?			X
Does the proposed development consist of work to a protected structure and / or its curtilage or proposed protected structure and / or its curtilage?			X
Does the proposed development exterior of a structure which is architectural conservation are		X	
Does the application relate to affects or is close to a monur under section 12 of the Natio (Amendment) Act, 1994.	ment or place recorded		X
Does the application relate to European Site or a Natural H	Х		
Does the development require Natura Impact Statement?	Х		
Does the proposed developm of an Environmental Impact A	X		
Do you consider that the properties to have significant effects on transboundary state?		X	
Does the application relate to comprises or is for the purpo an integrated pollution preven		X	
Does the application relate to comprises or is for the purpo waste license?		X	
Do the Major Accident Regulations apply to the proposed development?			X
Does the application relate to Strategic Development Zone		X	
Does the proposed development involve the demolition of any habitable house?			X

16. Services:

Proposed Source of Water Supply:			
Existing connection: [] New Connection: [x]			
Public Mains: [X] Group Water Scheme: [] Private Well:[]			
Other (please specify):			
Name of Group Water Scheme (where applicable):			
Proposed Wastewater Management / Treatment:			
Existing: [] New:[x]			
Public Sewer: [] Conventional septic tank system: []			
Other on site treatment system: [x] Please Specify:			
The site will be largely unattended. Any foul wastewater generated will be collected and discharged to a holding tank. The holding tank will be emptied on a regular basis and brought to an appropriated licensed/permitted facility for treatment and discharge.			
Proposed Surface Water Disposal:			
Public Sewer / Drain:[x] Soakpit:[]			
Watercourse: [] Other: [] Please specify:			

17. Notices:

Details of public newspaper notice – paper(s) and date of publication

Copy of page(s) of relevant newspaper enclosed Yes: [X] No:[]

Wicklow People – publication date –21st April 2021 Irish Independent – publication date – 21st April 2021

Details of site notice, if any, - location and date of erection

Copy of site notice enclosed Yes: [X] No:[]

Location outlined on the following drawings:

- ONS-LF-001 Landfall Site Location Map
- ONS-SM-001 Cable Route Map Sheet 1 of 9
- ONS-SM-002 Cable Route Map Sheet 2 of 9
- ONS-SM-003 Cable Route Map Sheet 3 of 9
- ONS-SM-004 Cable Route Map Sheet 4 of 9
- ONS-SM-005 Cable Route Map Sheet 5 of 9
- ONS-SM-006 Cable Route Map Sheet 6 of 9
- ONS-SM-007 Cable Route Map Sheet 7 of 9
- ONS-SM-008 Cable Route Map Sheet 8 of 9
- ONS-SM-009 Cable Route Map Sheet 9 of 9
- ONS-SS-001 Substation Site Location Plan
- ONS-NC-001 NETN Connection Location Map

Date of erection: 21st April 2021

Details of other forms of public notification, if appropriate e.g. website

A project website has been set up and all application documentation are available at: www.arklowbankwindparkogiplanning.com

EIA Portal:

http://housinggovie.maps.arcgis.com/apps/webappviewer/index.html?id=d7d5a3d48f104ecbb206e7e5f84b71f1

18. Pre-application Consultation:

Date(s) of statutory pre-application consultations with An Bord Pleanála

Schedule of any other pre application consultations –name of person / body and date of consultation to be provided as appropriate and also details of any general public consultations i.e. methods, dates, venues etc. This can be submitted as a separate schedule with the application form.

Enclosed:

Yes: [X] No:[] (See attached ABWP Phase 2 Project Consultation Report and ABWP Phase 2 Proposed Development Consultation Report)

A schedule of prescribed bodies to whom notification of the making of the application has been sent and a sample copy of such notification.

Enclosed:

Yes: [X] No:[]

19. Confirmation Notice:

Copy of Confirmation Notice

Attach a copy of the confirmation notice in relation to the EIA Portal where an EIAR accompanies the application.

See attached confirmation notice

20. Application Fee:

Foo Dayable	€100,000
Fee Payable	

I hereby declare that, to the best of my knowledge and belief, the information given in this form is correct and accurate and that the application documents being deposited at the planning authority offices, and any other location specified by the Board in pre application consultations, including a website (if any) will be identical to the application documents being deposited with the Board.

Cladge Donoval.
26 th April 2021

General Guidance Note:

The range and format of material required to be compiled / submitted with any application in respect of a proposed strategic infrastructure development shall generally accord with the requirements for a planning application as set out in the Planning and Development Regulations, 2001 to 2018 and those Regulations should therefore be consulted prior to submission of any application.

September 2018