

Application for

a

Foreshore Lease

for the

Construction

and

Operation of an

Offshore Electricity Generating Station

cat2fce

Complete and return, with fourteen (14) copies of EIS and Admiralty Charts and one copy of the Articles of Association, to Coastal Zone Management Division, Department of Agriculture, Fisheries and Food, Building C, West Cork Technology Park, Clonakilty, Co Cork.

**APPLICATION FOR FORESHORE LEASE TO CONSTRUCT AN
OFFSHORE ELECTRICITY GENERATING STATION**
(Please read the guidance notes before completing this application form)

1. Applicant's Name:

FUINNEAMH SCEIRDE TEORANTA

Address:

PARK WEST, SPIDDAL, COUNTY GALWAY

☎ **091 504823** Fax. **091 504940** E-mail **grattanhealy@eircom.net**

1. (a) Name and address of applicant's legal advisor

PHILIP LEE SOLICITORS, 7/8 WILTON TERRACE, DUBLIN 2.

☎ **01 6099500** Fax **01 6628290** E-mail **info@philiplee.ie**

2. Nature of proposed generating station (i.e. wind powered, wave powered, etc.)

WIND

3. Details of Authorisation to construct and Licence to generate and supply issued by the Commission for Electricity Regulation (include photocopies)

**CER AUTHORISATION TO CONSTRUCT & CER GENERATING
LICENSE: APPLICATIONS DATED 16TH APRIL 2003;
REFERENCES: AUTH 2003/0471 & GEN 2003/0451**

4. Longitude and Latitude of proposed generating station site boundaries

| Point | Latitude (DDM) | Longitude (DDM) |
|-------|----------------|-----------------|
| 1 | 53°17.66'N | 9°58.06'W |
| 2 | 53°15.97'N | 10°1.89'W |
| 3 | 53°15'N | 10°1.2'W |
| 4 | 53°14'N | 9°57'W |
| 5 | 53°16.1'N | 9°55.1'W |

4.(a) Where the area can be identified on the Ordnance Survey map, the Ordnance survey co-ordinates should also be shown

| | ING East | ING North |
|---|----------|-----------|
| 1 | 68814 | 228916 |
| 2 | 64468 | 225899 |
| 3 | 65189 | 224084 |
| 4 | 69808 | 222062 |
| 5 | 72028 | 225936 |

5. Longitude and Latitude of the central Point of the proposed wind farm

| Lat DDM | Long DDM |
|----------|----------|
| 53 16.79 | 9 57.76 |

5(a) Where the area can be identified on the Ordnance Survey map, the Ordnance survey co-ordinates should also be shown

| ING East | ING North |
|----------|-----------|
| 69105 | 227292 |

6. Area to be covered by the proposed generating station 407 Ha

7. Dimension of the generating station area at its longest and widest points
2.5 Km 2 Km

7(a). The area should be shown on the charts in a suitable rectangular or similar even sided box of which the Ordnance Survey and Co-ordinates of each point should be stated here

| | Lat DDM | Long DDM | ING East | ING North |
|---|----------|----------|----------|-----------|
| 1 | 53 17.28 | 9 57.35 | 69587 | 228199 |
| 2 | 53 17.01 | 9 59.53 | 67146 | 227757 |
| 3 | 53 16.28 | 9 58.27 | 68509 | 226369 |
| 4 | 53 16.57 | 9 55.99 | 71064 | 226828 |

8. Number & location of turbines within the area (indicate on charts)

| | Lat DDM | Long DDM | ING East | ING North |
|------------------------|----------|----------|----------|-----------|
| Transformer Substation | 53 17.08 | 9 57.4 | 69575 | 227810 |
| Turbine 1 | 53 16.32 | 9 58.26 | 68529 | 226434 |
| Turbine 2 | 53 16.54 | 9 58.65 | 68108 | 226862 |
| Turbine 3 | 53 16.77 | 9 59.03 | 67688 | 227291 |

| | | | | |
|------------|----------|---------|-------|--------|
| Turbine 4 | 53 16.99 | 9 59.42 | 67267 | 227719 |
| Turbine 5 | 53 16.38 | 9 57.75 | 69100 | 226536 |
| Turbine 6 | 53 16.61 | 9 58.13 | 68680 | 226965 |
| Turbine 7 | 53 16.83 | 9 58.52 | 68259 | 227393 |
| Turbine 8 | 53 17.05 | 9 58.91 | 67839 | 227822 |
| Turbine 9 | 53 16.44 | 9 57.24 | 69671 | 226639 |
| Turbine 10 | 53 16.67 | 9 57.63 | 69249 | 227068 |
| Turbine 11 | 53 16.89 | 9 58.02 | 68827 | 227497 |
| Turbine 12 | 53 17.12 | 9 58.41 | 68404 | 227926 |
| Turbine 13 | 53 16.51 | 9 56.72 | 70243 | 226741 |
| Turbine 14 | 53 16.73 | 9 57.11 | 69822 | 227170 |
| Turbine 15 | 53 16.96 | 9 57.5 | 69402 | 227598 |
| Turbine 16 | 53 17.18 | 9 57.89 | 68981 | 228027 |
| Turbine 17 | 53 16.57 | 9 56.21 | 70814 | 226844 |
| Turbine 18 | 53 16.8 | 9 56.6 | 70392 | 227273 |
| Turbine 19 | 53 17.02 | 9 56.99 | 69969 | 227702 |
| Turbine 20 | 53 17.25 | 9 57.38 | 69547 | 228130 |

9. Maximum height of turbines above chart datum (including, in the case of windfarms, blades when vertical) 140 M

10. Rotor diameter of turbines (in the case of windfarms) 120 M

11. Physical dimensions of each complete structure including anchorage or foundation *

35-75m monopile foundation + 70meter tower + nacelle with 120m rotor; overall height 165 to 205m.

12. Nature of construction below sea-level*

Monopile foundation grouted into drilled socket in granite seafloor

13. Nature of construction above sea-level*

Wind turbine blades and rotor on turbine tower fitted to monopile foundation

14. Manner in which structures will be anchored to the sea bed (i.e. cable, set in concrete foundations, etc.)*

Steel foundation grouted into drilled socket.

* Provide scaled drawings with the responses to these questions.

15. Nearest distance from other generating stations or other constructions on the sea-bed (including constructions anchored permanently or semi-permanently to the sea-bed) **

Aran electrical cable is 22.4Km Southeast of proposed windfarm

16. Distance from shore at nearest point: Mweenish 5.2 Km**

17. Distance from nearest habitation: Mweenish 5.8 Km**

18. Distance from nearest Aquaculture operation if less than 3 km N/A Km**

18(a). The distance of the cable to shore from the nearest aquaculture operation should be stated if less than 3Km. at its nearest point N/A Km**

19. Distance from nearest Special Protection Area (SPA) or Special Area of Conservation (SAC) if less than 5 Km.

Kilkieran Bay and Islands (002111) - 3.2 Km**

19(a). The distance of the cable from the nearest SPA or SAC should be stated if less than 3 Km. at its nearest point

Kilkieran Bay and Islands (002111) - 0.7 Km**

20. Distance from shipping lanes at nearest point

2Km Inner Passage, 4Km Deer Island Passage, 9.7Km North Sound Passage **

*** Illustrate on the appropriate marine charts accompanying the application*

21. Indicate any other economic or leisure activities known to take place within or adjacent to the area proposed for the generating station :

Refer Section 4 of EIS

CONDITIONS WHEN OPERATING

22. Maximum noise levels expected at the site as at sea level:

on Noise matters, refer Section 4.3 EIS; maximum level occurs directly below wind turbine - 60 dB

23. Normal noise levels expected at the site as at sea level: varies with distance from turbine - 30-60 dB

24. Normal noise levels expected at site of nearest habitation:

Normal background - no impact from windfarm

25. Maximum Noise levels expected at site of nearest habitation:

Normal background - no impact from windfarm

26. Maximum noise levels expected at nearest SPA or SAC (if closer than 5 Km.)

Normal background - no impact from windfarm

27. Indicate conditions which might be expected (a) to increase noise levels above normal and (b) to maximum levels:

(a) constraining off by Eirgrid or a technical fault;

(b) ditto

28. Describe visual impact of the proposal at site of nearest habitation or human activity on-shore (indicate type of site (i.e. houses, beach, boat club, etc.):

Moderate to low impact; refer Section 13 of EIS.

29. Designed maximum capacity of the proposed generating station
_____ 100 Mw.

30.. Anticipated maximum annual output of the proposed generating station
_____ 100 Mw.

31(a). Is an exclusion zone for passage of shipping (including fishing and leisure boats) sought (YES/NO) (If "yes" please supply details and give reasons)

_____ NO _____

(b) Is an exclusion zone (or ban) sought on the use of any type of fishing gear or leisure activity within the area occupied by the turbines and/or associated cables?

NO, we propose a 60m safety zone around the turbines and a ban on tying up to turbines - refer EIS

(exclusion zone should be indicated on the appropriate marine charts which should accompany the application)

32. Capital Cost of Proposed Venture: approx €350million

33. Source of capital: Partner; Refer Enclosed Business Plan

34. Has consultation taken place with Dúchas - the National Heritage Service? (Yes/No)

Please refer to Appendix 1B of EIS

(If yes please supply copies of relevant correspondence)

35. Have nearby harbour authorities been consulted (Yes/No)

Yes, Please refer to Appendix 1B of EIS

(If yes please supply copies of relevant correspondence)

36. Has planning permission been received for shore based works? NO

(if yes copy should be attached)

If planning permission has not been received a copy of the planning application(s) should accompany the application)

37. Have necessary on-shore eaves been obtained? NO

Signed for and on behalf of the applicant

Grattan Healy

Name of Signatory (block letters): GRATTAN C. HEALY

Position: DIRECTOR

Date: 15th May 2008

Name address, telephone etc. details of contact (if different from that of the applicant) _____ (same as above) _____