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| **NIPPON KAIJI KYOKAI** | | **【RE-071-26】** |
| **Renewables and Environment Department** | | **Rev.3** |
| **E-Mail:** | **re@classnk.or.jp** |  |
| **FAX:** | **03-5226-2060** |  |

**Application for small wind turbine type certification (Initial)**

**I, undersigned applicant, apply to type certification for our small wind turbine under the following condition.**

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| **1.** | **Applicant** | |  | | |
|  | **Date of application:** | | **(day, month, year)** | | |
|  | **Company name:** | |  | | |
|  | **Detailed Address:** | |  | | |
|  | **Name of representative:** | |  | | |
|  | **Signature:** | |  | | |
|  | **Tel:** | |  | | |
|  | **E-mail:** | |  | | |
| **2.** | **Contents of application** | |  | | |
|  | **Type number of small wind turbine:** | |  | | |
|  | **Certification standards:** | | **JSWTA0001 + JIS C 1400-22 (IEC 61400-22)** | | |
|  | **Others (     )** | | |
|  | **Methodology of load calculation:** | | **Simplified load methodology** | **Aeroelastic analysis** | **Full-scale load measurement** |
| **3.** | **Contact Person** | |  | | |
|  | **Company name：** | |  | | |
|  | **Address：** | |  | | |
|  | **Name of the person：** | |  | | |
|  | **Tel:** | |  | | |
| **4.** | **Note (Please check)** |  | | | |
|  | **We read “NKRE-AP-0001 Guidance for Use of Certificate Documents and symbols” and understood the contents.** | | | | |
|  | **We read “NKRE-AP-0002 Guidance for Appeals-handling and Complaints-handling Process” and understood the contents.** | | | | |
|  | **We read “NKRE-SP-0001 Guidance for Certification of Products” and understood the contents.** | | | | |

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| **5.** | **Submitted Documents** | **\*Submit the documents through NK-PASS** | |
|  | **Checklist for applicant (Please check)** | | **Checklist for NK** |
| **1)** | **Specifications of wind turbine type (including configuration, type number of main component)** | |  |
| **2)** | **Structural calculation report for wind turbine** | |  |
| **3)** | **Structural calculation report for tower and foundation (including maximum load and maximum deflection at tower top)** | |  |
| **4)** | **Design drawings (main component: rotor blade, pitch system, hub, spinner, nacelle, main shaft, gearbox, low speed shaft, structural components, generator, safety and protection system, yaw, PCS, transformer, dump load, others)** | |  |
| **5)** | **Assembly drawings (relevant to item 4)** | |  |
| **6)** | **Technical specifications (relevant to item 4 and purchase parts)** | |  |
| **7)** | **Material certificate (material of main components evaluated strength)** | |  |
| **8)** | **Wiring diagram (from generator to grid)** | |  |
| **9)** | **Block diagram (from generator to grid)** | |  |
| **10)** | **Control flowchart** | |  |
| **11)** | **Description relevant to effectiveness of safety and protection system** | |  |
| **12)** | **Calculation report or test report for mechanical brake torque** | |  |
| **13)** | **Description for fail-safe design (for example: FMEA table etc)** | |  |
| **14)** | **Test program (for duration test, power performance measurement, acoustic noise measurement, safety and function test, blade static load test)** | |  |
| **15)** | **Duration test report (If completed)** | |  |
| **16)** | **Power performance measurement report (If completed)** | |  |
| **17)** | **Acoustic noise measurement report (If completed)** | |  |
| **18)** | **Safety and function test report (If completed)** | |  |
| **19)** | **Blade static load test report (If completed)** | |  |
| **20)** | **Electrical safety test report for generator (If completed)** | |  |
| **21)** | **ISO 9001 certificates (for applicant, manufacturer) (If any)** | |  |
| **22)** | **Quality manual (for applicant, manufacturer)** | |  |
| **23)** | **User manual (at least Japanese version)** | |  |
| **24)** | **Installation and commissioning manual (at least Japanese/English version)** | |  |
| **25)** | **Maintenance manual (at least Japanese/English version)** | |  |

**\*Bottom column is for use in ClassNK.**

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| **Receipt Date:** | **(d),       (m),       (y)** | | **Receipt Number:** | |  |
| **Management Representative** | | **Technical P.I.C** | | **Administrative P.I.C** | |
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