

Application for
**Engaging in and Carrying on of an
On-grid Renewable Energy Project**

Project Type: **Wind**

Dear Applicant

Thank you for the interest shown in developing renewable energy resources in Sri Lanka.

We are pleased to present you a copy of the prescribed application form attached hereto, formulated according to the provisions laid out in the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007, On-grid Renewable Energy Projects Regulation 2009 published in the Gazette No. 1599/6 of 27th April 2009 and amended by the Gazette No. 1705/22 of 10th May 2011. A Guide to the Project Approval Process for On-grid Renewable Energy Project Development (Version V2.0/2011) can be downloaded at http://www.energy.gov.lk/pdf/guideline/Grid_Renewable.pdf You are strongly advised to go through this Guide before submitting your application.

Your kind attention is invited to Chapter 2.0 'Applying for a Provisional Approval' given in the Guide to the Project Approval Process, for details on submitting a complete application. Please be kind enough to pay the application fee either in cash or through a bank draft, since this Authority is not in a position to accept cheques for the payment of application fees.

We look forward to the perfected application form.

Thank You

Director General

Method of Submitting New Applications

Any person, an individual or a company, may apply to develop a renewable energy project anytime, irrespective of whether the person holds any rights to the resource or land rights. The SEA would entertain only complete applications as required under Section 16(2) of the Act. A complete application form, prescribed in the On-grid Renewable Energy Projects Regulation 2011, accompanied by a Pre-feasibility report prepared by a Consultant accredited by the Authority, dealing with the following main components will have to be made after payment of the prescribed application fee to the SEA.

- a) Pre-feasibility report prepared by a Consultant accredited by SEA, with the one page summary
- b) A copy of the map of the geographical location of the proposed project
- c) A brief description of the project, including the amount of power to be generated
- d) The total estimated cost and financial model including the optimisation criteria adopted
- e) Proof of availability of adequate finances or the manner in which the required finances for the project are to be obtained
- f) Project location, describing the relative location of energy conversion plant and equipment to the resource, as a further explanation of (b) above
- g) A statement explaining how the Applicant intends to deliver electricity generated by the project to the national grid, and geographical area traversed by the power line to be constructed for that purpose
- h) A copy of the receipt obtained from the SEA, for the payment of the prescribed application fee, which will be calculated according to table below.

Amount of power proposed to be generated	Fee to be paid on application
1,000 kW or part thereof	LKR 100,000 + VAT
Each additional 1,000 kW	LKR 50,000 payable on pro rata basis

Note: Projects of capacities less than 10,000 kW implemented by a single party or parties acting in concert, in parallel or in phases in a same geographical or spatial context will be considered as a single project capable of generating more than 10,000 kW of power.

Any application, after an initial inspection having obvious omissions will be returned unregistered to the Applicant, requesting the attention to the said omissions. An Applicant who fail to submit complete application forms runs the risk of another party applying for the same resource site, between the first attempt to submit the application and the second attempt, after attending to the obvious omissions as pointed out by the SEA.

APPLICATION FORM

Date of Application

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Registration No.

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For official use only

Application for Engaging in and Carrying on of an on-grid Renewable Energy Project

For projects of the **type** listed below.

See "Guide to the Project Approval Process for On-Grid Renewable Energy Development" for the policy on other types of renewable energy projects.

1. Project Type: Please mark in the appropriate box below. Please select **only one type**.

Small Hydro	Wind	Biomass (Grown)	Waste			Waste Heat	Other
			Agricultural	Industrial	Municipal		(Pls. Specify)

2. Name of the Project and its Capacity (kW):

(This is only for identification, the legal name may be established at a later stage)

3. Name and Address of the Applicant :

Name: (Mr./Ms./.....) :

If the applicant is a Company : Name

: Registration No.....

: Names of Directors of the Company.....

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Address: :

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Telephone Numbers:

Email:

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Company resolution certified by Company Secretary authorising the applicant to submit the application (please attach)

4. Project Pre-feasibility/Report (please attach)

The Applicant is expected to provide a Pre-feasibility report along with the application prepared by a Consultant accredited by the Authority, including the information and documents referred to in paragraphs (a) to (f) of sub-section (2) Section 16 of the Act.

- a. Paste in the box below the relevant part of the 1:50000 map showing locations of the all project components and powerhouse

Name of the Project:

Copy of 1:50000 Map with Project Layout (1:50000 scale not to be altered)	Sheet No		Sheet Name	

CALCULATION OF APPLICATION FEE

Column I	Column II
Amount of power proposed to be generated	Fee to be paid on application and reapplication
1,000 kW or part thereof	LKR 100,000
Each additional 1,000 kW	LKR 50,000 payable on pro rata basis

Note: *Projects of capacities less than 10,000 kW implemented by a single party or parties acting in concert, in parallel or in phases in a same geographical or spatial context will be considered as a single project capable of generating more than 10,000 kW of power.*

Checklist of Contents of the Pre-feasibility Study which is to be attached to the Application for Provisional Approval for an On-grid Renewable Energy Project

Project type: **Wind**

Profile of the Applicant	Mark Yes () No (x)
Background ¹ of the company/individual applying for provisional approval	
Site Description	
Name of the site	
Name of the village and administrative divisions	
Sketch of the area earmarked for the project with coordinates	
Land ownership information	
Current land use and socio-economic background in the area	
General Infrastructure facilities - access roads, nearest CEB grid substation	
Wind Resource Analysis	
Description of the local wind climate	
Estimated average annual wind speed ² at the site	
Estimated Weibull parameters	
Estimated wind speed ² frequency distribution	
Preliminary Plant Design	
Rated capacity	
Wind turbine specifications and power curve data	
Preliminary plant layout including a single-line diagram of the electrical system up to grid interconnection	
Proposed 33 kV transmission line route	
Gross annual electricity generation, losses, net sales to the grid	
Transport of wind turbines - proposed route, identified bottlenecks	
Crane requirements for erection of wind turbines	
Environmental Considerations	
Localised social & environmental benefits likely to result due to the proposed project	
Localised negative social & environmental impacts likely to result due to the project	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital costs	
O&M costs, insurance costs	
Financial Analysis	
Financing parameters	
Financial analysis including a sensitivity analysis against key variables	
Project Development Plan	
Site ownership, plans to acquire land	
Source(s) earmarked to raise the equity and debt financing	
Project implementation schedule	

¹ Current business, products,/services, proposed business plan for the project

² Annual Average Wind Speed

To be completed by the Applicant and provided as the first page of the Pre-feasibility Report. Please fill the unshaded boxes only.

Project Type		Wind		Name of the Applicant	
Name of the Project					
Location of Power Plant		District:	DS Division	GN Division(s)	
Resource Information		Village(s)	Weibull shape factor (k)		
Power Plant Data		Mean annual wind speed (m/s)	Wind turbine model	Rotor diameter (m)	Rated wind speed at standard air density
Land Requirements		Installed capacity (kW)	Number of units	Generating voltage (V)	Net annual energy (MWh)
Land Ownership (approximate percentage distribution by type of owner)		Tower height (m)	Area required per wind turbine location (m ²)	Distance between wind turbines (m)	Area required for buildings and access roads (m ²)
Power Transmission		Area required for the wind power plant site (km ²)	Applicant's own land	Other private land	Estate land
Environmental issues (describe)		State land	Length of new transmission line (km)	Receiving grid substation	Any special issues on transmission:
Estimated Investment (LKR million)		Interconnection voltage (volt)	Project Financing Plan (LKR million)		
Please state below any assumptions in cost estimates		Pre-project, land rights (LKR million)		Equity by the Applicant	
		Civil works including tower foundation (LKR million)		Equity from other sources	
		Electro-mechanical equipment (LKR million)		Loans	
		Transmission line (LKR million)		Total	
		Other-IDC, insurance, working capital, contingencies (LKR million)		Any special notes on the financing plan:	
		Project development costs (LKR million)			
		Total			
Project IRR		Estimated annual maintenance cost (LKR million)			
		Equity IRR		Other financial parameters (specify)	
Please describe any additional issues related to the resource, power plant, land and transmission line, that require the attention of the SEA:					

For use by SEA:

Notes to the Project Approving Committee:

PAC submission Date:		Discussed on:		Decision:		Communicated to applicant on:	
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Checklist of important attributes to be considered when registering new applications

Duly filled application form		Yes	No
1	Minute by Dir/Head ,for processing of application		
2	Project type		
3	Name of Project & its Capacity		
4	Contact details Name of Applicant: if the applicant is to be changed later for any reason, a processing fee equal to application is required to be paid, to effect such changes		
4 (a)	Pre-feasibility report prepared by a Consultant accredited by SEA		
4 (b)	Original geographical Location Marked map (1:50000)		
4(c)	A brief description of the project		
4(d)	The total estimated cost and financial model		
4(e)	Proof of availability of adequate finances		
4(f)	Project location		
5	Grid connection power line trace		
6	Certification by the Applicant with Signature		
7	Certification by the Accredited Consultant with Signature		
8	Pre- Feasibility Study cover page Project type <input type="text"/> Capacity <input type="text"/> Applicant Details <input type="text"/> Consultant Details <input type="text"/>		
9	Annex to the Pre- feasibility report : Land Resource Requirement		
10	Summary sheet : FormatF2		
11	Annual Reports / Audited Accounts / Bank References		
12	Registration No		
13	A copy of the receipt obtained from the SEA for the payment of application fee		

Reasons of Refusal of Application

- Any Conflict with Marked location with respect to SEA Maps or EnerGIS interface
- Over / Under estimation of Power Capacity
- Non availability of Concurrence of CEB to grid connect the proposed project when consulted under the provisions of Section 17 of the Act.
- If particular NRE resources is earmarked earlier or is to be developed by a state sector organisation
- Capacity greater than 10MW; which carries no written directive from the Ministry of Power and Energy specific to the project
- Project located in an Excluded Area: all natural reserves, such as Conservation Forests and Wild Life Sanctuaries and other sensitive areas.

Note:

- Only the complete applications as required under the Section 16(2) of the Act of SLSEA and further prescribed in the On grid Renewable Energy projects Regulation 2011 will be entertained by SEA.
- The availability of a particular resources location can be checked by logging on to the EnerGIS database through (http://www.energy.gov.lk/sub_pgs/geographic.html) or by perusing the maps provided at the front office of SEA
- Pre feasibility report should include all the items in the checklist- Format F1

Certification by Applicant:

I have read, verified and understood that this application is complete / incomplete in terms of the Section 16 of the Sri Lanka Sustainable Energy Authority act No.35 of 2007 and take responsibility for the acceptance of the application based on the facts contained therein / the rejection of the application by the Project Approving Committee on any one or more grounds mentioned above

Date: _____ Applicant name and signature: _____

Time: _____ Witnessed by SEA officer name & signature: _____

