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PART I : SECTION (I) — GENERAL

Government Notifications

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

State Ministry of Solar, Wind and Hydro Power Generation Project Development

A GUIDE TO ACCELERATE RENEWABLE ENERGY PROJECT

ACCORDING to the National Policy of the Government on Renewable Energy Development, a number of steps have been taken to obtain 70% of the electricity demand from Renewable Energy Sources by 2030, and one of the steps is to expedite obtaining approvals for the development of Renewable Energy Projects with a capacity of 10 MW or less than 10 MW, I hereby publish the Guidelines for Accelerating Renewable Energy Projects.

This guideline is effective from 01.01.2022

DUMINDA DISSANAYAKE,
State Minister of Solar, Wind and Hydro Power
Generation Projects Development.

No. 437, Galle Road,
Colombo 03,
(Postal Code : 00300),
31st December, 2021.



A Guide to Accelerate the Renewable Energy Project Implementation



Sri Lanka Sustainable Energy Authority
2022

A Guide to Accelerate the Renewable Energy Project Implementation

Sri Lanka Sustainable Energy Authority
2022

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1. Introduction

The State Ministry of Solar Wind and Hydro Power Development jointly with the Sri Lanka Sustainable Energy Authority is paving the way forward to achieve the high target of contributing 70% of Renewable Energy out of the National Energy requirement in 2030 in line with the “*Sawbagye Dakma*” manifesto of His Excellency the President.

In order to achieve this target, number of programs have been implemented to develop Renewable Energy resources by the Authority with the powers vested in it as per the provisions of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007 and on the instructions received from the State Ministry.

The primary objective of this is to introduce a speedy activity plan to sign the power purchase agreements under a feed in tariff method which will encourage the private sector developers who are willing to develop less than 10 MW Renewable Energy Projects as a one step of this program.

It is expected to proceed with following actions under the acceleration program.

- i. Intervention of the Sri Lanka Sustainable Energy Authority to obtain the approvals required form other agencies in a speedy manner.
- ii. Providing the support in Ministerial level to resolve the issues in power project development.
- iii. Identifying the non-progressive projects and take steps to develop such projects.

2. Making an Application for a Renewable Energy Project

Any person/organization who wishes to develop a renewable energy project may apply for the same as provided in this guideline.

Full authority is vested with the Director General of the Sustainable Energy Authority or whom so delegated such powers by him for such purpose to reject any application which failed to comply with the mandatory requirement (ii) mentioned below.

Applications may be submitted either convenient methods mentioned below.

- I. Walking handing over of the application to the office of the Sustainable Energy Authority between 8.45 a.m. – 3.00 p.m.
- II. Submission of the application and making the prescribed payment via online portal of our website www.energy.gov.lk

* Applications which physically handed over also will be entered to the online portal at the same time

2.1 Documents which required at the time of registration :

- a. Duly completed application Form (Annexure i)

The prescribed application form can be obtained from the office of the Sustainable Energy Authority and if it wishes to submit via online portal, the steps given can be followed to submit the application.

The Application shall be signed by the person decided by the Board of Directors of the organization and such Board Resolution shall be submitted under the hands of both one of the Directors and the Secretary along with the application.

b. Pre-feasibility report

- * It is mandatory to submit a detailed feasibility report as per annexure ii which prepared by a consultant accredited by the Sustainable Energy Authority. It is mandatory to attach the certification of the accredited consultant as per annexure iii and project summary as per annexure iv.
- * It is mandatory to prepare the project cost according to the prevailing market condition and acceptable manner in this study report.
- * It is required to mention the name of the Grid sub-station which intended to connect the project and the distance to the Grid from the place of the project and if it's unable to mention the sub-station specifically, two Grid Sub-stations shall be named as options 1 and 2 according to the closest sub-station.

c. Map which contains the location of the project

It shall be required to submit a map marking the location in a topographic map of scaled 1:50000 which obtained from the Department of Surveys as mentioned below.

Hydro power project	- location of the power house and the weir
Solar power project	- Location of the project site
Wind power project	- Location of the Project site
Bio mass energy project	- location of the power house and site of the material to be obtained
Municipal solid waste project	- Location of the power house (It is mandatory to submit the consent letter from the local authority for the sufficient material supply to the project along with the application)
Other projects	- Location of the project site

- * It is not sufficient to submit the project coordinates only.
- * When there is a discrepancy of the project location and the project coordinates submitted by the applicant, the Authority consider the location depicted in the map as the correct location of the project and this authority shall not bear any responsibility over such delays occurring consequent to the same.

d. Following documents relevant to the Project Company

- i. Certificate of incorporation
- ii. Forms which contains the details of the board of Directors of the Project Company (Forms 1 and 20 as appropriate)
- iii. Authorization for the signatory to the documents (This Board Resolution shall be certified by the company Secretary)
- iv. Contact Details

e. It is mandatory to submit below mentioned details/documents pertaining to the land ownership of the project location

i. For private lands

- a. Deed of Transfer in the name of the project company or
- b. If it's under a Lease Agreement that shall be required for a minimum period of 30 years
- c. An Agreement to Sell signed by the owner of the land with the Project proponent (This shall be required to be duly registered in the relevant Land Registry)

ii. If it is intended to be obtained a Government land, a Lease Agreement or any other valid documentation proof for the same.

In addition to the above, it is mandatory to submit below mentioned documents as well.

- a. A title report prepared by a Notary Public
- b. A certificate issued by a Licensed Surveyor indicating that the location of the project is depicted in the Plan

f. Documentation proofs for the financial feasibility

It shall be required to submit acceptable documentation proofs confirming the availability of 30% Equity Capital with the Company in order to commence the project.

Further to that, if there is any expectation to obtain a financial facility kind of a loan, it's required to submit the consent letter from the Financial Institution in respect of the same.

2.2 Registration Fee :

Below mentioned Registration fee shall be applied for the project at the time of requesting the Provisional Approval from the Sustainable Energy Authority. When the request forward via online method, the payment can be made via online portal.

<i>Up to the Capacity of 1MW</i>	<i>Capacity above 1MW</i>
Rs. 100,000/-	Rs. 50,000.00 per 1MW (this shall be changed proportionately)

03. Registration at the Sri Lanka Sustainable Energy Authority

This is a two-step procedure

1. Provisional Registration
2. Confirmation of the Registration

The project which have obtained the provisional registration shall be reviewed by a screening committee chaired by the Director General of the Authority and will be confirmed the Registration.

3.1 Provisional Registration :

The Provisional Registration can be obtained by handing over of the application to the office of the Sustainable Energy Authority between 8.45 a.m. – 3.00 p.m. during working days or by submitting the application via online portal through the web site of www.energy.gov.lk along with all documentation mentioned in above (2).

The Sustainable Energy Authority shall be issued a Provisional Registration number as follows.

Hydro Power Project	THP 1xxxx
Solar Power Project	TSP 1xxxx
Wind Power Project	TWP1 xxxx
Bio-mass power project	TDP 1 xxxx
Municipal Solid Waste project	TMP 1xxxx
Agricultural waste project	TAP 1xxxx
Other project	TOP 1 xxxx

3.2 Confirmation of the Registration :

The projects which had obtained the Provisional Registration by making the prescribed payment long with the documents mentioned above (2) of the Sustainable Energy Authority shall be forward to the Steering Committee which chaired by the Director General.

The projects which approved by the said Committee shall be given the Confirmation of the Registration. **The priority over for the Confirmation of the Registration shall be given on First Come- First Serve basis)**

3.3 Mandate of the Steering Committee :

The Committee shall be furnished with all documents mentioned in above (2) and the said Committee shall be satisfied that the project will be proceed without any interruption with the fulfillment of primary requirements. The special attention of the said Committee shall be focused on the following facts.

- Is that identified land adequate for the project? If that land consisting of number of allotments for the proposed project, whether the required documents had been submitted for all such allotments?
- Whether the certified copies of the Deeds had been submitted for the project land?
- Whether the project company is having the full ownership or at least 30 years leasehold rights for the project land?
- Despite, any person who is having the full ownership of the land is a director of the project Company? Whether the project Company have signed a lease agreement with the said person for a period of 30 years?
- If the land belongs to a third party, whether there is a lease agreement signed for at least 20 years?
- If there is an agreement signed confirming the consent of Agreement to sell the land to the project, whether such agreement has been registered before the relevant land registry?
- Whether the correct folio extracts have been submitted? Whether those extracts had certified accurately?
- If it is a Government land, whether there is a signed lease agreement? Despite, whether there is a consent have been given confirming the allocation of the said land for the project?

- Whether there is a certificate submitted confirming the project site/location is indicated in the survey plan certified by a Licensed Surveyor?
- Whether there is a financial plan submitted considering the total project cost?
- Whether there are sufficient details had been submitted with regard to the financial capability and contribution of the project company out of the total project cost?
- Whether there are acceptable documents had been submitted confirming of granting the loan out of the total project cost which intended to obtain from a financial institution?
- Accuracy of the other documents submitted.
- How many other applications submitted prior to the applicant for the Grid Substation mentioned by the applicant and what is the priority over them to this particular applicant.

3.4 Composition of the Committee :

- Director General of the Sustainable Energy Authority
- Deputy Director General /Director (Renewable Energy Services/Resource Allocation)
- Director Finance
- Legal Officer
- Deputy/Assistant Directors of Renewable Energy Division (Projects/Land)
- Statistics Officer (Convener of the Committee)

3.5 Recommendation /Approval of the Steering Committee :

- Registration shall be confirmed.
- Can be granted one-month period for the completion of the shortcomings.
- Not acceptable at any event.

At the time of the Committee not recommended the confirmation of the registration due to the reason of shortcomings/defects of the documents submitted by the applicant, the provisional registration granted shall be forwarded to the Project Approving Committee along with the recommendation of the committee to cancel the project.

At such event the application fee paid by the applicant shall not be refundable.

04. Obtaining of the Grid Concurrence

All projects which granted the confirmation of the registration will be covering the primary activities and commence within 02 working days and the first step of that will be obtaining the Grid Concurrence from the Ceylon Electricity Board.

This can be performed in two ways

1. Publication of the grid capacity availability by the Ceylon Electricity Board
2. Requesting of Grid Concurrence by the Authority

4.1 Publication of the Grid Capacity availability by the Ceylon Electricity Board :

If the Ceylon Electricity Board had published the Grid Capacity availability within past 06 months in one or few Grid Substations, the Sustainable Energy Authority shall be informed and request the Ceylon Electricity Board to allocate such availability to the applicant who have already registered to such grid substation.

4.1.1 A reply shall be obtained within 14 days from the date of such notice.

4.1.2 When there are many applications registered for a particular grid substation exceeding it's available capacity, the available capacity shall be allocated to the applicants on the basis of the order of the registration.

4.1.3 The Sustainable Energy Authority shall be required to inquire from the Ceylon Electricity Board whether any applicants who have waiting for a grid which exceeded the available capacity could be considered for the nearest available grid substation.

4.1.4 However, after the completion of 14 days period without receiving a reply, further steps can be taken only on the projects which had identified as confirmed for the grid availability only.

4.2 Requesting of Grid Connection availability by the Authority :

When there is no notice received from the Ceylon Electricity Board with regard to the available grid capacity,

4.2.1 Preparation of a priority list of projects according to their registration of the grid substation.

4.2.2 Accordingly, the said priority lists shall be forwarded to the Deputy General Manager whom so in charge of each grid substation. A copy of the same shall be forward to the General Manager of Ceylon Electricity Board and other relevant sections as well.

4.2.3 A list of projects which didn't received any reply within 14 days as above (i) and (ii) shall be submitted to the next immediate Project Approving Committee.

4.2.4 The General Manager of Ceylon Electricity Board whom is a member of the Project Approving Committee shall inform the Committee at the next Committee meeting whether those projects can be granted the Grid connection concurrence or not.

4.2.5 The projects which received the Grid Connection concurrence shall be considered at the said Committee meeting for the possibility of granting the Provisional approval.

The Committee shall be decided to consider other projects in future on its priority over the registration for such Grid substation and when the grid capacity availability is sufficient for the next project capacity which waiting as the first applicant shall be forwarded to the Project Approving Committee and may consider for granting of the approval.

All correspondence made with the Ceylon Electricity Board with regard to the project shall be copied to the project proponent.

Accordingly, projects will be identified as mentioned below for the granting of the Provisional Approval and shall be forward to the Project Approving Committee for the approval.

1. The projects which nominated by the authority after specifically identifying the Grid Capacity availability in Grid Substations as per above 4.1.
11. The Projects of which the Ceylon Electricity Board had given the Grid Concurrence as per 4.2 above.
111. The projects which declared by the General Manager of Ceylon Electricity Board at the Project Approving Committee.

5. Submission for the Provisional Approval

All projects which received the Grid Concurrence will be forwarded to the Project Approving Committee which established under Section 10 of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007 in order to obtain the approval from the Committee to grant the Provisional Approval. The said Committee has been scheduled to be meet on the last week of each month and the committee shall be informed the details of the projects which will be discussed at the said meeting before 07 days prior to the meeting. This enables the members of the Committee to study about the projects which will be discussed at the meeting prior to come to the meeting.

1. Primary details of the project
2. Brief description of the project location
 - Land utilization of the project location (tea, paddy, etc.)
 - Description of the project land/lands ownership
 - Description on 33kV line network
 - Distance to the Grid from the project location
 - Whether there are any sensitive places are situated closer to the project as mentioned below.
 - Conservation areas belongs to the Forest Conservation Department
 - Conservation areas belongs to the Wildlife Conservation Department
 - Special areas belongs to Mahaweli Authority
 - Areas declared by the Department of Archeology
 - Areas declared by the Urban Development Authority
 - Tanks/reservoirs and sensitive areas belongs to the Irrigation Department.

The Committee may arrive at one of the decisions mentioned below after the consideration of above mentioned facts.

1. Approve the granting of the Provisional Approval
2. Granting the Provisional Approval after receiving the concurrence of the other relevant institutions.
3. Instructions to be given to submit to the next Committee if more study requires / requires further details in order to arrive at a decision.
4. Reject the granting of the Provisional Approval

Each stage mentioned above shall be acknowledged to the Project Proponent and other relevant parties within 07 working days. After the inquiry of all facts, if it's decided to forward the project to a specific institution, the committee member who represent such institution shall required to grant the recommendations/approvals at the next committee meeting.

5.1 Granting of the Provisional Approval and Other Approvals :

- a) Granting of Provisional Approval within 07 days upon receiving the recommendation.
(As per Annexure v format)
- b) Giving a prescribed form to the members of the Committee as per annexure (v) in order to obtain the concurrence.
- c) If any member representing any institution is absent at the Committee meeting, submitting a Form as (b) above to the such institution within 02 working days.

This shall be forward to the Divisional Secretariat relevant to the project location as well.

- d) Obtaining the concurrence or objections within 02 weeks from all institutions except the Environmental approval.
(Committee members are enable to respond to this via online portal as well)
- e) When there is an inability to respond within 02 weeks only, submitting the response of the institution to the next Project Approving Committee meeting.
- f) When there is a mandatory requirement to be registered in order to grant the approval by any institution, the required documents to be given to the project proponent at the time of granting the Provisional Approval.

At this event as it is not required to participate the institutions of which already granted it's concurrence, the field visit will be conducted jointly with other relevant institutions only.

After the subject meeting the Central Environmental Authority or any other institution decided at the said meeting shall be issued the Terms of Reference and it's the responsibility of the project proponent to submit the project report accurately and inline with such recommendations.

It's mandatory to submit the progress report to the Sri Lanka Sustainable Energy Authority every 02 weeks' time until the said report submitted to the relevant institution. That can be submitted via online portal or using the email.

If there are any facilities required to granting of the environmental approval to such institutions, the Authority shall intervene and facilitate for the same.

As the Environmental approval is the last item in this process, once in receipt of such approval the project proponent can apply for the Energy Permit

Accordingly, in order to apply for the Energy Permit it shall be fulfilled the following requirements.

- i. Approval of the Central Environmental Authority / other institution which required to grant the same.
- ii. Other approvals of which members of Project Approving Committee.
- iii. No objection letter for the project obtained from the Divisional Secretary of the area where the project location belongs.
- iv. Approvals of any other institutions which decided to obtain the approval at the subject meeting held in order to grant the Environmental Approval.

5.2 *Validity Period of the Provisional Approval :*

The Provisional Approval shall be valid for a period of 06 months as per Section 17 of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007.

The projects which have failed to fulfill the requirements mentioned in the Provisional Approval within 06 months period, shall be forward to the steering committee in order to decide on granting of an additional 06 months.

At the said committee the project proponent may be summoned to such meeting in order to study the progress of the project and *bona fide* attempts made by the proponent to make the project a success.

Due to a delay caused on the part of the project proponent the required approvals had not been obtained within a period of one year, re-registration shall be obtained on the recommendation made by the committee. At such event no Grid Concurrence will be requested again and provisional approval along with a new number will be issued after submitting the progress to the Project Approving Committee.

6. Issuing of the Energy Permit

All projects which have obtained the Environmental Approval and other relevant approvals will be forward to the next immediate Project Approving Committee.

All relevant details such as, what are the approvals had been obtained, how much energy will be generated is expected will be submitted to the Committee.

One of following decision will be taken upon considering the facts submitted to the Committee

1. Approving the granting of the Energy Permit.
2. If the Committee of the view that further study is required, forwarding to other institution.
3. Reject the issuing of Energy Permit.

What ever the decision taken such decision shall be communicated to the Project Proponent within 02 days.

6.1 *Relevant details with regard to the Energy Permit :*

1. A one-time payment as mentioned below shall be payable to the Authority for the Energy Permit.

<i>Up to 10 MW Projects</i>	<i>Above 10MW Projects</i>
Rs. 500,000/= per 1 MW	Rs. 1,000,000/= per 1MW
Ex. Rs. 750,000 for 1.5MW	Ex. Rs.12,000,000 for 12MW project

2. Energy Permit shall be issued for a period of 20 years from the date of Commercial Operations of the Project (As per annexure vi)

3. Each project types shall be granted a construction period as mentioned below. It shall be required to connect to the Grid prior to expiry of the said period
 - Hydro Power Project - 02 years
 - Wind Power Project - 02 years
 - Solar Power Project - 01 years
 - Bio mass project/ Municipal Solid Waste projects and other Project - 02 years
4. At the time of grid connected, the validity period of the Energy Permit shall be extended as per the construction period. That means, the validity period of the Energy Permit shall be update as 20 years.
5. The Project Proponent shall be required to fulfill the following requirements within 03 months from the date of issuing the Energy Permit.
 - a. Generation License to be obtained from the Public Utilities Commission.
 - b. Enter in to the Power Purchase Agreement with the Ceylon Electricity Board.

6.2 Progress within the construction period :

1. The Project Proponent shall be required to submit the progress report of the project every 03 months via online/physically.
2. The Sustainable Energy Authority may carryout field visits in order to verify the progress as required.
3. If there is any delay occurred for reasons beyond the control of the project Proponent during the construction period, Sustainable Energy Authority will intervene to resolve such issues. (if it's not a legal issue).

6.3 Projects which lapsed the Construction period :

- i. The projects which have lapsed the construction period as mentioned above shall be forward to the Board of Management of the Authority for cancellation with the recommendation of the Director General within one month from such date.
- ii. The Project Proponent shall be communicated the same within 07 days from the date of lapse of the Construction period.
- iii. The Project Proponent shall be entitled to make an appeal within 14 days and such projects will be forward to the Appeal Board.
- iv. The Appeal Board shall summon the Project Proponent and after having a review will submit the recommendations to the Board of Management if recommended to extend the period.
- v. The projects which failed to make any appeal within the stipulated period and the projects which didn't recommend by the Appeal Committee shall be forward to the Board of Management for the cancellation.
- vi. The period which extending will be decided by the Appeal Committee and recommended.

7. Generation License

Generation License to be obtained from the Public Utilities Commission within 03 months from the date of the Energy Permit and a copy of the same shall be submitted to the Sri Lanka Sustainable Energy Authority.

8. Power Purchase Agreement

The Power Purchase Agreement shall be signed within 03 months from the date of the Energy Permit and a copy of the same shall be submitted to the Sri Lanka Sustainable Energy Authority.

9. Commercial Operation Date

Commercial Operation date and immediately after connecting to the Grid the same shall be informed to the Sri Lanka Sustainable Energy Authority. The audit report with regard to the construction also shall be submit to the Authority within one month.

10. Energy Permit shall be cancelled at following events.

The Director General of the Sustainable Energy Authority is empowered to cancel the Energy Permit under Section 18 of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007 at any time when there is a violation of the condition/s of the Energy Permit after the Commercial operation date.

11. Powers to hold the payments by the Authority

The Sustainable Energy Authority is enabling to inform the Ceylon Electricity Board to hold the payments on following events.

- If any project violates the condition/s mentioned in the Energy Permit or any other approvals obtained from other institutions after the date of Commercial Operations of the project.
- Failure to make the payments for more than 03 months to the Government for water or any lease payments when it became due.
- When there is a notice received from the Divisional Secretary or any other authorized officer informing that the project or its' employees had caused any harmful act/impact to the people or property of the people in the area.

12. Royalty

All Renewable Energy Projects shall be liable to pay the Royalty as decided with the concurrence of the Minister of Finance as per Section 19 of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007.

13. Submission of Information relevant to the Project

As per the powers vested in it by virtue of the Provisions of the Sri Lanka Sustainable Energy Authority Act No. 35 of 2007, all renewable energy projects (including large scale projects) shall be liable to submit accurate information when so requested on following events in order to regulate the Renewable Energy Projects.

- Information regarding to the generation capacity
- Information regarding to the project cost
- Information regarding the operations and management expenses of the project
- Details of employees of the project
- Information regarding the payments made to any other Government institutions by the Project
- Any other details which requested by the Authority on the circumstances

This Guideline shall be required to have further details mentioned in the annexure vii

APPENDIX 1 : APPLICATION FORM

Date of Application YYYY-MM-DD For official use only	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">SEA Reference Number SEA/REP</td> <td style="width: 5%;">A</td> <td style="width: 5%;">-</td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> <td style="width: 5%;"></td> </tr> <tr> <td>Registration No. or Standby Registration No.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	SEA Reference Number SEA/REP	A	-								Registration No. or Standby Registration No.									
SEA Reference Number SEA/REP	A	-																			
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Application for Registration 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	Others (Pls. Specify)
			Agricultural	Industrial	Municipal		

2. **Name of the Project & 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 _____

Address: _____

Telephone Numbers: _____ Email: _____

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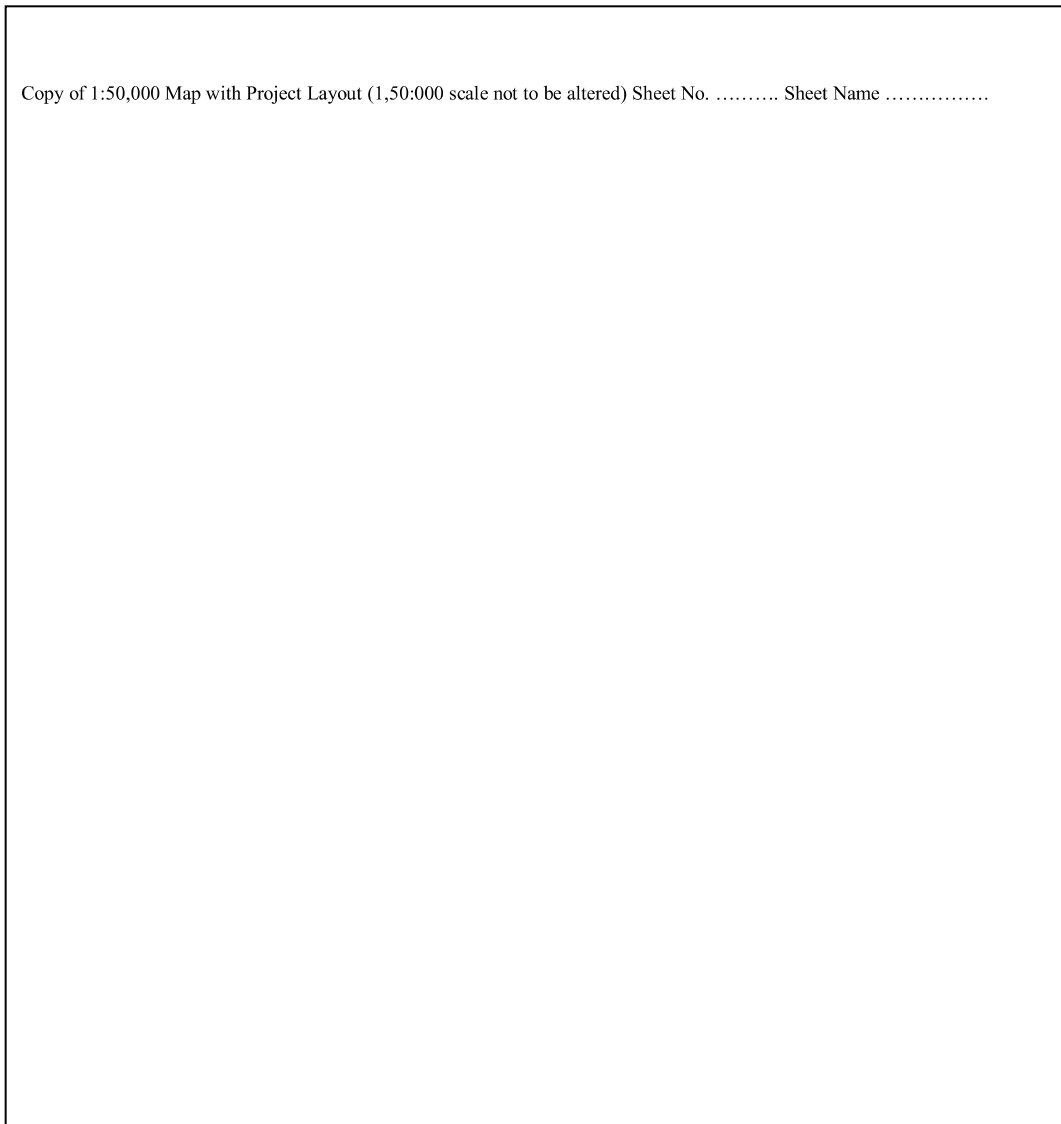
Company resolution authorizing the applicant to submit the application (pls. attached)

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 1:50,000 map showing locations of the all project components and powerhouse

Copy of 1:50,000 Map with Project Layout (1,50:000 scale not to be altered) Sheet No. Sheet Name



(b) a brief description of the project, including the amount of power to be generated;

Project Information	Project Type:
Installed Generating Capacity of the Plant (kW)	
Name of Stream/River (if Hydro)	
Name of the Project	
Annual Electricity Generation (GWh)	
Proposed location of the Power Plant: provide the details below	
Village/Grama Niladhari Division	
Divisional Secretary Division	
District	

(c) the total estimated cost and financial model, including optimization criteria adopted;

(d) proof of availability of adequate finances or the manner in which the required finances for the project are to be obtained;

(e) Project location *i.e.* Weir and Power House relative to river or stream system if it is a hydro power project, wind Turbine and Structures if it is a Wind power project, Energy Plantation, Power House and Water Source if it is a Biomass Project and Conversion facility relative to energy resource, if it is any other project; and

(f) Grid connection *i.e.* how the applicant intends to evacuate electricity generated and the point at which the generator will be connected to the national grid and the geographical area traversed by the power line constructed for this purpose.

Certification by the Applicant:

- I hereby certify that the Pre-feasibility Report attached to this application has been prepared by..... (name), a Consultant accredited by the Authority, and whose name and signature appear on page 1 of the Report.
- I attach herewith a copy of the receipt obtained, on the payment of the appropriate fee which is required to be made along with this application.
- I attach herewith technical and other details related to the resource site, as requested by the Director General.
- I have read and understood the “Guide to the Project Approval Process for On-Grid Renewable Energy Development”

Name of person signing this application _____

Signature: _____ Date: _____
 YYYY - MM - DD

APPENDIX 2 : PROVISIONAL APPROVAL

PROVISIONAL APPROVAL UNDER PARAGRAPH (a) OF SUBSECTION (2) OF SECTION 17

Date:

Registration Number	R -
Provisional Approval Number	PA -

Name :
Title (if applicable) :
Company _Name (if applicable) :
Address :
Project Name :
Date of granting Provisional Approval :

(This approval is valid only for 6 month period from the date of granting provisional approval unless it is extended by further 6 month on request of applicant as per sub section 17 of the act no. 35 of 2007)

Project Type :
Project Capacity :
installed generating capacity in kilowatts

This refers to the application submitted by you on, to engage in and carry on the above mentioned on-grid renewable energy project. The Project Approving Committee of Sri Lanka Sustainable Energy Authority (herein after referred to as the “Authority”), acting under paragraph (a) of subsection (2) of section 17 of the Sri Lanka Sustainable Energy Authority Act, No. 35 of 2007, has granted Provisional Approval to the said Project. The Provisional Approval Number specified above should be used in all future correspondence with the Authority, and in all reports and other documentation about the Project.

You are hereby required to submit the documents and information referred to below within six months of receipt of this communication. In the event that you are unable to submit the required documents and the information within such period, you are entitled to request from the Director-General for an extension of this period, provided the maximum of such extension shall not exceed a period of an additional six months. This provisional approval shall stand cancelled automatically at the end of the validity period as per subsection 4 of section 17 of the act no. 35 of 2007 if the documents and other information request for is not submitted to prior to the expiry of the validity period of the provisional approval.

APPENDIX 2 : PROVISIONAL APPROVAL

PROVISIONAL APPROVAL UNDER PARAGRAPH (a) OF SUBSECTION (2) OF SECTION 17

Date:

Registration Number	R -
Provisional Approval Number	PA -

Name :

Title (if applicable) :

Company _Name (if applicable) :

Address :

Project Name :

Date of granting Provisional Approval :

Approval

(This approval is valid only for 6 month period from the date of granting provisional approval unless if it is extended by further 6 month on request of applicant as per sub section 17 of the act no. 35 of 2007)

Project Type :

Project Capacity :

installed generating capacity in kilowatts

This refers to the application submitted by you on, to engage in and carry on the above mentioned on-grid renewable energy project. The Project Approving Committee of Sri Lanka Sustainable Energy Authority (herein after referred to as the “Authority”), acting under paragraph (a) of subsection (2) of section 17 of the Sri Lanka Sustainable Energy Authority Act, No. 35 of 2007, has granted Provisional Approval to the said Project. The Provisional Approval Number specified above should be used in all future correspondence with the Authority, and in all reports and other documentation about the Project.

You are hereby required to submit the documents and information referred to below within six months of receipt of this communication. In the event that you are unable to submit the required documents and the information within such period, you are entitled to request from the Director-General for an extension of this period, provided the maximum of such extension shall not exceed a period of an additional six months. This provisional approval shall stand cancelled automatically at the end of the validity period as per subsection 4 of section 17 of the act no. 35 of 2007 if the documents and other information request for is not submitted to prior to the expiry of the validity period of the provisional approval.

DOCUMENTS AND INFORMATION REQUIRED TO BE SUBMITTED

You are hereby required to make available:-

(a) the following documents:-

1.
2. etc.; and

(b) the following information:-

- i.
- ii. etc.; and

GENERAL

- * The Authority will assist you in obtaining any approval or clearance that is required to be obtained from any agencies, in order to engage in this project.
- * Any costs incurred by you in obtaining the documents and information required as specified in this Provisional Approval, should be borne by you and the Authority shall not be in anyway responsible for any expenses incurred.
- * Change of ownership or controlling interest of the legal person whom a Provisional Approval is required to be duly notified to the Authority and will be effected up on the payment of an administrative fee equivalent to the application fee.

Director General,
Sri Lanka Sustainable Energy Authority

Copies to

- (i) Director General, Public Utilities Commission of Sri Lanka
- (ii) Chairman and members of the Project Approving Committee
- (iii) Deputy General Manager (Energy Purchases) - Map showing the location of the
Ceylon Electricity Board Projects is attached herewith for your
information and necessary action.
- (iv) Director General, Urban Development Authority
- (v) Divisional Secretary, Division

Appendix 3 : Energy Permit

PERMIT FOR ENGAGING IN AND CARRYING ON OF AN ON-GRID RENEWABLE ENERGY PROJECT

Registration Number	R					-	0	
Provisional Approval Number	PA					-	0	
Permit Number	EP					-	0	

Application Reference Number: A

Name and Address of Applicant: _____
 (the special purpose Company, if required) _____

PERMIT NUMBER

Project Type: _____
 Name of the Project _____
 Installed electricity generating capacity of the Plant: _____ kilowatt
 Date of issue of the Permit _____

.....(name of applicant) (hereinafter referred to as the “Developer”) has been granted an On-Grid Renewable Energy Permit (hereinafter referred to as the “Permit”) under paragraph (a) of subsection (2) of section 18 of the Sri Lanka Sustainable Energy Authority Act, 35 of 2007, (hereinafter referred to as the “Act”). The permit number as indicated above should be used in all future correspondence with the Sri Lanka Sustainable Energy Authority (hereinafter referred to as the “Authority”) and in all reports and other documentation relating to the Project.

This Permit shall be subject to the following Terms and Conditions:-

1. The Project should commence its commercial operations within two years of the date of the issue of this Permit and in the event of the failure to commence commercial operations within such period, the Director-General of the Authority shall have the power to cancel this Permit.
2. This Permit shall be valid for a period of twenty years (20) from the date of issue of the Permit.
3. The plan for Project Implementation indicating major milestones should be submitted to the Authority, within two weeks from the date of issue of this Permit.

4. A progress report indicating the achievement of Project milestones should be submitted to the Authority, at the end of each quarter of the year.
5. Within One (1) month from the date of issue of this Permit, the Developer shall enter into a Standardized Small Power Purchase Agreement or other similar Agreement with the Ceylon Electricity Board, to sell electricity generated by the Plant. A copy each of all such Agreements should be forthwith submitted to the Authority.
6. A certificate issued by the Ceylon Electricity Board, certifying the date of commencement of commercial operations of the Project as specified in the Standardized Small Power Purchase Agreement or other similar Agreement entered into with the Ceylon Electricity Board, should be submitted to the Authority within one month of such date of commencement.
7. Immediately upon the expiry of a period of three months of the date of commencement of commercial operations of the Project, the Developer should submit to the Authority an audited Statement of Accounts certified by a Chartered Accountant, covering all transactions carried out by the Developer during the period of commencing on the date of the grant of Provisional Approval for the Project and ending on the date of the expiry of the period of three months of the commencement of the commercial operations of the Project.
8. The Plant should deliver not less than fifty percent (50%) of the nominal annual energy delivery or minimum guaranteed energy as defined in the respective Standardized Small Power Purchase Agreement or other similar Agreement, as the case may be, for a continuous period of five (5) years.
9. The Plant shall be designed, built, commissioned and operated in accordance with the relevant grid connection standards of the Ceylon Electricity Board.
10. The Authority reserves the right to revise the installed generating capacity of the Plant to realize the optimal utilization of the renewable energy resource within a 12 month period from the date of issue of this Permit.
11. The Developer shall not during the construction and operational life of the Project, change the installed electricity generating capacity of the Plant, as specified in this Permit.
12. Utilisation of the renewable energy resource and structures required to harness the same shall conform to the relevant standards, regulations and codes as stipulated by the relevant approving authorities.
13. Any cost incurred by the Developer in the fulfillment of requirements, terms and conditions specified in this Permit, shall not be the responsibility of the Authority and shall be borne entirely by the Developer.

14. The Developer shall take all necessary measures to use the renewable energy resources being utilized for the Project under strict compliance of the conditions laid out in the environmental license with due diligence, during construction and operational life of the project.
15. Where any damage is caused to the renewable energy resource being utilized for the Project due to the negligence or lack of due diligences of by the Developer, the Developer shall be liable to pay to the Authority such amount as compensation, as the Minister may determine in consultation with the Minister in charge of the subject of Finance.
16. If at any time during the validity of this Permit the terms and conditions stipulated herein are violated by the Developer, the Director-General of the Authority with the approval of the Authority, shall have the power to cancel the Permit under paragraph (b) of subsection (1) of section 21 of the Act.

Director General,
Sri Lanka Sustainable Energy Authority

Copies to:

- (i) Director General, Public Utilities Commission of Sri Lanka
- (ii) General Manager, Ceylon Electricity Board
- (iii) Director General, Central Environmental Authority
- (iv) Director General, Urban Development Authority
- (v) Divisional Secretary, Division

FORMAT F1 PRE-FEASIBILITY STUDY CONTENTS

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: Small Hydro	
Profile of the Applicant	
Background ¹ of the company/individual applying for provisional approval	
Site Description	
Name of the stream/ river	
Name of the village and administrative divisions	
Land use and general socio-economic background of the area	
Sketch of the catchment	
Site Survey	
Gross head from weir crest to tail water level (m)	
Location details (latitude/longitude) of the weir and powerhouse	
Stream Flow Analysis	
General description of the climate and geo-physical conditions in the region	
Rainfall data	
Catchment area (km ²)	
Daily stream flow rates or estimated FDC	
Preliminary Plant Design	
Design flow rate and gross head	
General layout of the power plant including a single-line diagram of the electrical system up to grid interconnection	
Preliminary sizing of civil works, hydraulic losses	
Net head on turbine	
Turbine selection	
Installed capacity	
Key specifications of the E&M equipment	
Gross annual or monthly generation, losses, net sales to the grid	
Environmental Considerations	
Localised social & environmental benefits likely to result due to the project	
Localised negative social & environmental impacts likely to result due to the project	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital cost of the project	
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

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: Biomass (grown)

Profile of the Applicant	
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 power plant	
Land use and general socio-economic background of the area	
General infrastructure facilities - access roads, nearest CEB grid substation, water supply	
Preliminary Plant Design	
Rated capacity	
Preliminary layout of the power plant including a single-line diagram of the electrical system up to grid interconnection	
Gross/ net annual electricity generation	
Biomass type earmarked as the fuel and key properties	
Heat and mass balance calculations	
Biomass demand	
Data on biomass yield, required land area	
Ash disposal arrangements	
Biomass Supply	
Method of sourcing biomass	
If biomass will be grown by the plant owner, area earmarked for biomass plantations	
If biomass will be sourced from other suppliers, information on the identified suppliers – name, location, letter of consent in principle	
Arrangements for harvesting, transport and supply of biomass	
Environmental Considerations	
Localised social & environmental benefits likely to result due to utilisation of biomass in the power plant	
Localised negative social & environmental impacts likely to result due to utilisation of biomass in the power plant	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital cost of the project	
Cost of biomass supply – price payable for biomass at source, handing costs, transport 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

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	
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 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 If measured wind data is not available close to the site, please refer to the national wind atlas

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: Waste (agricultural, industrial, municipal)

Profile of the Applicant	
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 power plant	
Land use and general socio-economic background in the area	
General Infrastructure facilities – access roads, nearest CEB grid substation, water supply	
Preliminary Plant Design	
Rated capacity	
Preliminary layout of the power plant including a single-line diagram of the electrical system up to grid interconnection	
Gross/net annual electricity generation	
Waste type(s) earmarked as the fuel and key properties	
Heat and mass balance calculations	
Waste demand	
Ash disposal arrangements	
Waste Supply	
Identified types of waste(s), their moisture levels, drying methods, processing/sorting required	
Waste availability – survey method, surveyed region, available quantities, seasonal variation, etc.	
Present uses of waste, price paid by users, if any	
Information on identified suppliers – name, location, letter of consent in principle	
Environmental Considerations	
Localised social & environmental benefits likely to result due to utilisation of waste in the power plant	
Localised negative social & environmental impacts likely to result due to utilisation of waste in the power plant	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital cost of the project	
Cost of waste supply –price payable for waste at source, handling costs, transport 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

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: Waste (waste heat)

Profile of the Applicant	
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 where waste heat is available and the site earmarked for the power plant	
Land use and general socio-economic background in the area	
General Infrastructure facilities – access roads, nearest CEB grid substation, exiting grid interconnection, water supply	
Preliminary Plant Design	
Estimates of waste heat, temperature and pressure of the waste stream	
Rated capacity of the power plant	
Preliminary layout of the power plant including a single-line diagram of the electrical system up to grid interconnection	
Gross/net annual electricity generation	
Supplementary fuel requirements	
Heat and mass balance calculations	
Source of Waste Heat	
Identified source(s) of waste heat	
Associated industrial process (product, raw material, annual output)	
Primary fuel source(s) for the existing industrial process	
Present uses of waste heat, if any	
Environmental Considerations	
Localised social & environmental benefits likely to result due to the power plant	
Localised negative social & environmental impacts likely to result due to the power plant	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital cost of the project	
Cost of waste heat recovery structures and systems	
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

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: Other

Profile of the Applicant	
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	
Available infrastructure in the area - access roads, nearest CEB grid substation	
Socio-economic profile in the selected coastal belt	
Renewable Energy Resource potential	
General climate in the region	
Technical description of the resource characteristics	
Resource potential estimates	
Project Concept	
Global status of power generation from the particular resource	
Description of the project concept	
Principle of operation of the proposed technology & its operational characteristics	
Past experience with similar technology concept elsewhere in the world	
Maturity of the technology for commercial deployment	
Preliminary Plant Design	
Configuration of the power plant structures and power transmission	
Rated capacity	
Key specifications of energy converters and auxiliary equipment	
Single-line diagram of the electrical system up to grid interconnection	
Gross annual or monthly electricity generation, losses, net sales, to the grid	
Environmental Considerations	
Localised social & environmental benefits likely to result due to the project	
Localised negative social & environmental impacts likely to result due to the project	
Proposed measures to mitigate negative impacts	
Project Costs	
Capital cost of the power plant	
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

FORMAT F2 SUMMARY OF PRE-FEASIBILITY STUDY

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report. Please fill-up the shaded areas only Page layout: Landscape **Format F2**

Project Type		Small hydro		Name of the Applicant			
Name of the Project							
Location of Power Plant		District:		DS Division		GN Division(s)	
		Village(s)					
Resource Information	Name of river or stream	Catchment area (km ²)	Average annual rainfall (mm)	Others users of water (specify):			
Resource Use	Design flow (m ³ /s)	Gross head on turbine (m)	Net head of turbine (m)				
Power Plant Data	Length of channel or tunnel (m)		Length of penstock (m)		Diameter of penstock(m)		
	Turbine type		Installed capacity (kW)		Generating voltage (V)		Net annual energy (MWh)
Land Requirements (ha)	Total land-use	Applicant's own land	Other private land	State land		Estate land	Other owners (specify):
Transmission	Interconnection voltage (volt)	Length of new transmission line (km)		Receiving grid substation		Any special issues on transmission:	
Environmental issues (describe)							
Estimated Investment (LKR)		Pre-project, land rights			Project Financing Plan (LKR)		
Please state here any assumptions in cost estimates		Civil works including penstock			Equity by the Applicant		
		Electro-mechanical equipment			Equity from other sources		
		Transmission line			Loans		
		Other-IDC, insurance, working capital, contingencies			Total		
		Project development costs			Any special notes on the financing plan:		
		Total					
		Estimated annual maintenance cost (LKR)					
Project IRR	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:	

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report Page layout: Landscape **Format F2**

Project Type		Biomass (grown)		Name of the Applicant			
Name of the Project							
Location of Power Plant		District:		DS Division		GN Division(s)	
		Village(s)					
Resource Information	Name of the fuel	Yield (kg/tree/year)	Moisture content: as harvested and after drying	LHV (MJ/kg)			
Fuelwood Supply	Applicants' dedicated fuelwood plantation	District	DS division	Extent of land (ha)		Fuelwood supply (tonne/year)	
	Outside suppliers	Number of suppliers	Mono crop or mixed crop	Extent of land (ha)			
Power Plant Data	Power plant technology	Installed capacity (kW)	Overall plant efficiency	Specific fuel consumption (kg/kWh)			
	Biomass demand (tonne/day)	Water demand (m ³ /day)	Cooling method (describe):	Ash/residues (tonne/day)		Ash disposal (describe):	
Transmission	Interconnection voltage (volt)	Length of new transmission line (km)		Receiving grid substation		Any special issues on	
Environmental issues (describe)							
Estimated Investment (LKR)		Pre-project, land rights			Project Financing Plan (LKR)		
Please state here any assumptions in cost estimates		Civil works			Equity by the Applicant		
		Electro-mechanical equipment			Equity from other sources		
		Transmission line			Loans		
		Other-IDC, insurance, working capital, contingencies			Total		
		Project development costs			Any special notes on the financing plan:		
		Total					
		Estimated annual maintenance cost (LKR)					
Project IRR	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:	

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report. Please fill-up the shaded areas only. Page layout: Landscape Format F2

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

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report. Please fill-up the shaded areas only. Page layout: Landscape Format F2

Project Type	Waste	Type of Waste Used			Agricultural Industrial Municipal (select one)	Separate format for waste heat
Name of the Project						
Name of the Applicant						
Location of Power Plant	District:		DS Division		GN Division(s)	
	Village(s)					
Resource Information	Waste material to be used		Method of transport			
	Principal supplier(s)		Sorting Method		Daily fuel use (tonne/day)	
	Moisture level as delivered		Drying method			
Power Plant Data	Combustion technique (describe):				Installed capacity (kW)	
	Number of units		Generating voltage (V)		Net annual energy (MWh)	Overall net efficiency
Land and Water Requirements	Fuel storage and processing (m ³)		Power plant site (m ²)		Cooling water requirement (m ³ /day) and source	Cooling system (describe):
Land Ownership (approximate percentage distribution by type of owner)	State land		Applicant's own land	Other private land	Estate land	
Power Transmission	Interconnection voltage (volt)		New trans-mission line (km)	Receiving grid substation	Any special issues on transmission:	
Environmental impacts	Ash quantity (m ³ /day)		Ash disposal method	Other environmental issues (describe):		
Estimated Investment (LKR)	Pre-project, land rights			Project Financing Plan (LKR)		
Please state below any assumptions in cost estimates	Civil works			Equity by the Applicant		
	Electro-mechanical equipment			Equity from other sources		
	Transmission line			Loans		
	Other-IDC, insurance, working capital, contingencies			Total		
	Project development costs			Any special notes on the financing plan:		
	Estimated annual maintenance cost (LKR)			Total		
Project IRR		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:			

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report. Please fill-up the shaded areas only. Page layout: Landscape Format F2

Project Type	Waste	Source of Waste Heat			
Name of the Project					
Name of the Applicant					
Location of Power Plant	District:		DS Division		GN Division(s)
	Village(s)				
Resource Information	Industrial process providing waste heat			Method of conveyance	
	Temperature (C)		Flow rate (m ³ /s)	Daily waste heat availability (MJ/day)	
	Heat recovery method		Final exhaust temperature (C)		
Power Plant Data	Supplementary firing method and fuel (describe):				Installed capacity (kW)
	Number of units		Generating voltage (V)	Net annual energy (MWh)	Overall net efficiency
Land and Water Requirements	Power plant site (m ²)	Cooling water requirement (m ³ /day) and source		Cooling system (describe):	
Land Ownership (approximate percentage distribution by type of owner)	State land	Applicant's own land	Other private land	Estate land	
Power Transmission	Interconnection voltage (volt)	New trans-mission line (km)	Receiving grid substation	Any special issues on transmission:	
Environmental impacts (describe)					
Estimated Investment (LKR)	Pre-project, land rights			Project Financing Plan (LKR)	
Please state below any assumptions in cost estimates	Civil works			Equity by the Applicant	
	Electro-mechanical equipment			Equity from other sources	
	Transmission line			Loans	
	Other-IDC, insurance, working capital, contingencies			Total	
	Project development costs			Any special notes on the financing plan:	
	Estimated annual maintenance cost (LKR)			Total	
Project IRR	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:		

To be Completed by the Applicant and provided as the first page in the Pre-feasibility Report. Please fill-up the shaded areas only. Page layout: Landscape Format F2

Project Type	Other	Source of Energy			
Name of the Project					
Name of the Applicant					
Location of Power Plant	District:		DS Division		GN Division(s)
	Village(s)				
Resource Information	Resource characteristics (describe):				
	Seasonality assessment		Spatial dispersion		
Power Plant Data	Energy Conversion technique (describe):				Installed capacity (kW)
	Number of units		Generating voltage (V)	Net annual energy (MWh)	Overall net efficiency
Land Requirements	Power plant site (m ²)	Other land (m ²)		Other facilities (describe):	
Land Ownership on-shore (approximate percentage distribution by type of owner)	State land	Applicant's own land	Other private land	Estate land	
Power Transmission	Interconnection voltage (volt)	New trans-mission line (km)	Receiving grid substation	Any special issues on transmission:	
Environmental impacts (describe)					
Estimated Investment (LKR)	Pre-project, land rights			Project Financing Plan (LKR)	
Please state below any assumptions in cost estimates	Civil works			Equity by the Applicant	
	Electro-mechanical equipment			Equity from other sources	
	Transmission line			Loans	
	Other-IDC, insurance, working capital, contingencies			Total	
	Project development costs			Any special notes on the financing plan:	
	Estimated annual maintenance cost (LKR)			Total	
Project IRR	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:		

FORMAT F3 CERTIFICATION BY THE ACCREDITED CONSULTANT

Certification by the Accredited Consultant

Name of the Consultant: _____

Address: _____

Email: _____ Phone: _____ Fax: _____

I certify that the pre-feasibility study for _____ (state the Project Name) was conducted by me, after a site reconnaissance and _____ (state the number of visits made) site visits. I certify that the attached report and the summary are in accordance with the format provided by Sri Lanka Sustainable Energy Authority (SEA).

I understand that any professional misconduct caused by me in preparation of this report would result in my name being struck off the Register of Consultants maintained by SEA and that this misconduct would be reported to all professional bodies which I am affiliated at present for further action.

Signature of Consultant:

Date:

- Sequence of filing:
- (a) Cover page
 - (b) This certificate by the Consultant
 - (c) Summary of the Pre-feasibility study (format F2)
 - (d) Pre-feasibility report (list of contents as per format F1)