

Original

Duplicate



Selection of a Consulting Firm for  
“Conducting Bird Collision Risk Modelling  
using Existing Avifaunal Data for the Proposed  
Veravil Wind Power Project”

Quality and Cost-Based Selection (QCBS)

**SRI LANKA SUSTAINABLE ENERGY AUTHORITY**

PROCUREMENT NO: SEA/PD/R&D/01-2026

**BIDDING DOCUMENT**



Sri Lanka Sustainable Energy Authority  
80, Sir Ernest de Silva Mawatha,  
Colombo 07.

Tel: 0112271586, 0112575030

Email: [procurement@energy.gov.lk](mailto:procurement@energy.gov.lk)



NATIONAL PROCUREMENT AGENCY

STANDARD REQUEST FOR PROPOSALS

# Selection of Consultants

Consultancy Organization

**Quality and Cost Based Selection (QCBS)**

## Section 01. Letter of Invitation

RFP NO: .....

DATE:

.....  
.....  
.....

Dear M/s. ....:

Consulting Assignment: “Conducting Bird Collision Risk Modelling using Existing Avifaunal Data for the Proposed Veravil Wind Power Project”

1. The Chairman, Department of Consultant Procurement Committee on behalf of the Sri Lanka Sustainable Energy Authority invites proposals to provide the above consulting services. More details on the services are provided in the Terms of Reference attached.  
It is not permissible to transfer this invitation to any other Consulting firm.
2. A Consulting firm will be selected under Quality and Cost Based Selection (QCBS) method and procedures described in this RFP, in accordance with the policies described in the latest version of the following Guidelines:
  - a) Selection and Employment of Consultants, published by National Procurement Agency, 2007.
3. This RFP includes the following documents:
  - Section 1 - Letter of Invitation
  - Section 2 - Instructions to Consultants (including Data Sheet)
  - Section 3 - Technical Proposal - Standard Forms
  - Section 4 - Financial Proposal - Standard Forms
  - Section 5 - Terms of Reference
  - Section 6 - Standard Form of Contract
4. Please inform us in writing at the address given below, upon receipt:
  - (a) that you received this Letter of Invitation and
  - (b) Whether you will submit a proposal alone or in association.

Yours sincerely,

**Director General**  
**Sri Lanka Sustainable Energy Authority**  
**80, Sir Ernest de Silva Mawatha,**  
**Colombo 07.**

## Section 02. Instructions to Consultants

### Definitions

- a) "Client" means the procuring entity with which the selected Consultant signs the Contract for the Services.
- b) "Consultant" means any organization that may provide or provides the Services to the Client under the Contract.
- c) "Contract" means the contract signed by the Parties and all the attached documents listed in Clause 1 of that is the General Conditions (GC), the Special Condition the form of agreement.
- d) "Data Sheet" means such part of the Instructions to Consultants used to reflect specific assignment conditions.
- e) "Day" means calendar day.
- f) "Foreign Personnel" means such professionals and support staff who at the time of being so provided had their domicile outside Sri Lanka;
- g) "Instructions to Consultants" (Section 2 of the RFP) means the document which provides shortlisted Consultants with all information needed to prepare their Proposals.
- h) "Local Personnel" means such professionals and support staff who at the time of being so provided had their domicile within Sri Lanka.
- i) "LOI" (Section 1 of the RFP) means the Letter of Invitation being sent by the Client to the shortlisted Consultants.
- j) "Party" means either or both the Client and the Consultant, as the context requires.
- k) "Personnel" means professionals and support staff provided by the Consultant or by any Sub-Consultant and assigned to perform the Services or any part thereof;
- l) "Proposal" means the Technical Proposal and the Financial Proposal.
- m) "RFP" means the Request for Proposal prepared by the Client for the selection of Consultants.
- n) "Services" means the work to be performed by the Consultant pursuant to the contracts

- o) “Sub-Consultant” means any person or entity with whom the Consultant subcontracts any part of the Services.
- p) “Terms of Reference” (TOR) means the document included in the RFP as Section 5 which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Client and the Consultant, and expected results and deliverables of the assignment.

## **1. Introduction**

- 1.1. The Client named in the Data Sheet will select a consulting firm/organization (the Consultant) from those mentioned in the Letter of Invitation, in accordance with the method of selection specified in the Data Sheet.
- 1.2. Consultants are invited to submit a Technical Proposal and a Financial Proposal, for consulting services required for the assignment named in the Data Sheet. The Proposal will be the basis for contract negotiations and ultimately for a signed Contract with the selected Consultant.
- 1.3. Consultants should familiarize themselves with local conditions of the location where the assignment has to be carried out and take them into account in preparing their Proposals. To obtain first-hand information on the assignment and local conditions, Consultants are encouraged to attend a pre-proposal conference if one is specified in the Data Sheet. Attending the pre-proposal conference is optional. Consultants should contact the Client’s representative named in the Data Sheet to obtain information on the pre-proposal conference.
- 1.4. The Client will timely provide at no cost to the Consultants the inputs and facilities specified in the Data Sheet and make available relevant project data and reports.
- 1.5. Consultants shall bear all costs associated with the preparation and submission of their proposals and contract negotiation. The Client is not bound to accept any proposal, and reserves the right to annul the selection process at any time prior to Contract award, without thereby incurring any liability to the Consultants.

## **Conflict of Interest**

- 1.6. The Client requires that Consultants provide professional, objective and impartial advice and at all times hold the Client's interests paramount, strictly avoid conflicts with other assignments or their own corporate interests and act without any consideration for future work.

- 1.6.1. Without limitation on the generality of the foregoing, Consultants, and any of their affiliates, shall be considered to have a conflict of interest and shall not be recruited, under any of the circumstances set forth below:

### **Conflicting Activities**

- (i) A firm that has been engaged by the Client to provide goods, works or services other than consulting services, and any of its affiliates, shall be disqualified from providing consulting services related to those goods, works or services. Conversely, a firm hired to provide consulting services, and any of its affiliates, shall be disqualified from subsequently providing goods or works or services other than consulting services resulting from or directly related to the firm's consulting services.

### **Conflicting Assignments**

- (ii) A Consultant (including its Personnel and Sub-Consultants) or any of its affiliates shall not be hired for any assignment that, by its nature, may be in conflict with another assignment of the Consultant to be executed for the same or for another Client. For example, a Consultant hired to prepare engineering design for an infrastructure project shall not be engaged to prepare an independent environmental assessment for the same project. Similarly, a consultant hired to prepare Terms of Reference for an assignment should not be hired for the assignment in question.

### **Conflicting Relationships**

- (iii) A Consultant (including its Personnel and Sub-Consultants) that has a business or family relationship with a member of the Client's staff who is directly or indirectly involved in any part of (i) the preparation of the Terms of Reference of the assignment, (ii) the selection process for such assignment, or (iii) supervision of the Contract, may not be awarded a Contract.

- 1.6.2. Consultants have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of their client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Consultant or the termination of its Contract.

1.6.3. No agency or current employees of the Client shall work as Consultants Personnel under their own ministries, departments or agencies. Recruiting former government employees of the Client to work for their former ministries, departments or agencies is acceptable provided no conflict of interest exists. When the Consultant nominates any government employee as Personnel in their technical proposal, such Personnel must have written certification from their government or employer confirming that they are allowed to work full-time outside of their previous official position. Such certification shall be provided to the Client by the Consultant as part of his technical proposal.

#### **Unfair Advantage**

1.6.4. If a Consultant could derive a competitive advantage from having provided consulting services related to the assignment in question, the Client shall make available to all Consultants together with this RFP all information that would in that respect give such Consultant any competitive advantage over competing Consultants.

#### **Only one proposal**

1.7. Consultants may submit only one proposal. If a Consultant submits or participates in more than one proposal, such proposals shall be disqualified. However, this does not limit the participation of the same Sub-Consultant, including individual experts, to more than one proposal.

#### **Proposal validity**

1.8. The Data Sheet indicates how long Consultants' Proposals must remain valid after the submission date. During this period, Consultants shall maintain the availability of professional staff nominated in the Proposal. The Client will make its best effort to complete negotiations within this period. Should the need arise; however, the Client may request Consultants to extend the validity period of their proposals. Consultants who agree to such extension shall confirm that they maintain the availability of the professional staff nominated in the Proposal, or in their confirmation of extension of validity of the Proposal, Consultants could submit new staff in replacement, which would be considered in the final evaluation for contract award. Consultants who do not agree have the right to refuse to extend the validity of their Proposals.

#### **Eligibility of Sub-Consultants**

1.9. In case a Consultant intends to associate with other Consultants and/or individual expert(s), such other Consultants and/or individual expert(s) shall be subject to the requirements set forth in this RFP.

#### **Fraud and Corruption**

1.10. The officials of the procuring entity, as well as Consultants participating in this consultant selection process should adhere to the highest ethical standards, both during the selection process and throughout the execution of a contract. In pursuance of this policy, the following definitions are given:

- (i) “corrupt practice” means offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;
- (ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;
- (iii) “collusive practices” means a scheme or arrangement between two or more consultants with or without the knowledge of the PE, designed to establish prices at artificial, noncompetitive levels;
- (iv) “Coercive practices” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or to affect the execution of a contract.

## **2. Clarification and Amendment of RFP Documents**

- 2.1. Consultants may request a clarification of any of the RFP documents up to the number of days indicated in the Data Sheet before the proposal submission date. Any request for clarification must be sent in writing, to the Client’s address indicated in the Data Sheet. The Client will respond in writing and will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Consultants, who have been invited to submit a proposal. Should the Client deem it necessary to amend the RFP as a result of a clarification, it shall do so following the procedure under para. 2.2.
- 2.2. At any time before the submission of Proposals, the Client may amend the RFP by issuing an addendum in writing. The addendum shall be sent to all Consultants and will be binding on them. Consultants shall acknowledge receipt of all amendments. To give Consultants reasonable time to take an amendment into account in their Proposals, the Client may, if the amendment is substantial, extend the deadline for the submission of Proposals.

## **3. Preparation of Proposals**

- 3.1. The Proposal (see para. 1.2), as well as all related correspondence exchanged by the Consultants and the Client, shall be written in English Language.
- 3.2. In preparing their Proposals, Consultants are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.
- 3.3. While preparing the Technical Proposal, Consultants must give particular attention to the following:
  - a) The estimated number of Professional staff-months or the budget for executing the assignment shall be shown in the Data Sheet, but not both. However, the

Proposal shall be based on the number of Professional staff-months or budget estimated by the Consultants.

For fixed-budget-based assignments, the available budget is given in the Data Sheet, and the Financial Proposal shall not exceed this budget, while the estimated number of Professional staff-months shall not be disclosed.

b) Alternative professional staff shall not be proposed, and only one curriculum vita (CV) may be submitted for each position.

#### **Language**

d) Documents to be issued by the Consultants as part of this assignment must be in English language.

#### **Technical Proposal Format and Content**

3.4. The Technical Proposal shall provide the information indicated in the following paras from (a) to (g) using the attached Standard Forms (Section 3).

a) a brief description of the Consultant's organization and an outline of recent experience of the Consultant and, in the case of joint venture, for each partner, on assignments of a similar nature are required in Form TECH-2 of Section 3. For each assignment, the outline should indicate the names of Sub-Consultants/ professional staff who have participated, duration of the assignment, contract amount and Consultant's involvement. Information should be provided only for those assignments for which the Consultant was legally contracted by the client as a corporation or as one of the major firms within a joint venture. Assignments completed by individual professional staff working privately or through other consulting firms cannot be claimed as the experience of the Consultant, or that of the Consultant's associates, but can be claimed by the professional staff themselves in their CVs. Consultants should be prepared to substantiate the claimed experience if so, requested by the Client.

b) Comments and suggestions on the Terms of Reference including workable suggestions that could improve the quality/ effectiveness of the assignment; and on requirements for counterpart staff and facilities including: administrative support, office space, local transportation, equipment, data, etc. to be provided by the Client (Form TECH-3 of Section 3).

c) A description of the approach, methodology and work plan for performing the assignment covering the following subjects: technical approach and methodology, work plan, and organization and staffing schedule. Guidance on the content of this section of the Technical Proposals is provided under Form TECH-4 of Section 3. The work plan should be consistent with the Work Schedule (Form TECH-8 of Section 3) which will show in the form of a bar chart the timing proposed for each activity.

- d) The list of the proposed professional staff by area of expertise, the position that would be assigned to each staff member and their tasks (Form TECH-5 of Section 3).
  - e) Estimates of the staff input (staff-months of foreign and local professionals) needed to carry out the assignment (Form TECH-7 of Section 3). The staff-months input should be indicated separately for foreign (if required) and local professional staff.
  - f) CVs of the professional staff signed by the staff themselves or by the authorized representative of the professional staff (Form TECH-6 of Section 3).
  - g) A detailed description of the proposed methodology and staffing for training, if the Data Sheet specifies training as a specific component of the assignment.
- 3.5. The Technical Proposal shall not include any financial information. A Technical Proposal containing financial information may be declared non-responsive.

#### **Financial Proposals**

- 3.6. The Financial Proposal shall be prepared using the attached Standard Forms (Section 4). It shall list all costs associated with the assignment, including (a) remuneration for staff (local and foreign (if required)); and (b) other expenses indicated in the Data Sheet. If stated in the Data Sheet, these costs should be broken down by activity using FORM FIN – 5 and, if appropriate, into foreign and local expenditures. All activities and items described in the Technical Proposal must be priced separately; activities and items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items.

#### **Taxes**

- 3.7. A foreign Consultant may be subject to local taxes on amounts payable by the Client under the Contract. Any such amounts shall not be included in the Financial Proposal as they will not be evaluated, but they will be discussed at contract negotiations, and applicable amounts will be included in the Contract. The tax liability of a local Consultant shall be borne by the Consultant.
- 3.8. The Consultants must price the local cost in Sri Lankan Rupees only. However, the expenditure involves in foreign currency such as foreign consultant's fees and air ticket fees may be priced in foreign currency.

#### **4. Submission, Receipt, and Opening of Proposals**

- 4.1. The original Proposal (Technical Proposal and Financial Proposal) shall contain no interlineations or overwriting, except as necessary to correct errors made by the Consultants themselves. The person who signed the Proposal must initial such corrections. Submission letters for both Technical and Financial Proposals should respectively be in the format of TECH-1 of Section 3, and FIN-1 of Section 4.

- 4.2. An authorized representative of the Consultants shall initial all pages of the original Technical and Financial Proposals. The authorization shall be in the form of a written power of attorney accompanying the Proposal or in any other form demonstrating that the representative has been duly authorized to sign. The signed Technical and Financial Proposals shall be marked "ORIGINAL".
- 4.3. The Technical Proposal shall be marked "ORIGINAL" or "COPY" as appropriate. The Technical Proposals shall be sent to the addresses referred to in para. 4.5 including the number of copies indicated in the Data Sheet. All required copies of the Technical Proposal are to be made from the original. If there are discrepancies between the original and the copies of the Technical Proposal, the original governs.
- 4.4 The original and all copies of the Technical Proposal shall be placed in a sealed envelope clearly marked "TECHNICAL PROPOSAL". Similarly, the original Financial Proposal shall be placed in a sealed envelope clearly marked "FINANCIAL PROPOSAL" followed by the name of the assignment, and with a warning "DO NOT OPEN WITH THE TECHNICAL PROPOSAL." The envelopes containing the Technical and Financial Proposals shall be placed in an outer envelope and sealed. This outer envelope shall bear the submission address, reference number and title, and be clearly marked "DO NOT OPEN, EXCEPT IN PRESENCE OF THE OFFICIAL APPOINTED [insert the time and date of the submission deadline indicated in the Data Sheet]". The Client shall not be responsible for misplacement, losing or premature opening if the outer envelope is not sealed and/or marked as stipulated. This circumstance may be case for Proposal rejection. If the Financial Proposal is not submitted in a separate sealed envelope duly marked as indicated above, this will constitute grounds for declaring the Proposal non-responsive.
- 4.5 The Proposals must be sent to the address indicated in the Data Sheet and received by the Client no later than the time and the date indicated in the Data Sheet, or any extension to this date in accordance with para. 2.2. Any proposal received by the Client after the deadline for submission shall be rejected and returned unopened.
- 4.6 The Client shall open the Technical Proposal immediately after the deadline for their submission. The envelopes with the Financial Proposal shall remain sealed and securely stored.

## **5. Proposal Evaluation**

- 5.1 From the time the Proposals are opened to the time the Contract is awarded, the Consultants should not contact the Client on any matter related to its Technical and/or Financial Proposal. Any effort by consultants to influence the Client in the examination, evaluation, ranking of Proposals and recommendation for award of Contract may result in the rejection of the Consultants' Proposal.  
Evaluators of Technical Proposals shall have no access to the Financial Proposals, until the technical evaluation is concluded.

### **Evaluation of Technical Proposals**

- 5.2 The Client shall evaluate Technical Proposals on the basis of their responsiveness to the Terms of Reference, applying the evaluation criteria, sub-criteria and point system specified in the Data Sheet. Each responsive Proposal will be given a technical score (St). A Proposal shall be rejected at this stage if it does not respond to important aspects of the RFP and particularly the Terms of Reference or if it fails to achieve the minimum technical score indicated in the Data Sheet.

### **Public Opening of Financial Proposals**

- 5.3 After the technical evaluation is completed in accordance with paragraph 5.2 above, the Client shall notify those Consultants whose Proposals did not meet the minimum qualifying mark or were considered nonresponsive to the RFP and TOR, that their Financial Proposals will be returned unopened after completing the selection process. The Client shall simultaneously notify in writing Consultants that have secured the minimum qualifying mark, the date, time and location for opening the Financial Proposals. The opening date should allow Consultants sufficient time to decide for attending the opening. Consultants' attendance at the opening of Financial Proposals is optional.
- 5.4 Financial Proposals shall be opened publicly in the presence of the Consultants' representatives who choose to attend. The name of the Consultants and the technical scores obtained by each qualified Consultant shall be read aloud. The Financial Proposal of the Consultants who met the minimum qualifying mark will then be inspected to confirm that they have remained sealed and unopened. These Financial Proposals shall be then opened, and the total prices read aloud and recorded.

### **Evaluation of Financial Proposals**

- 5.5. Following the ranking of technical Proposals as described under 5.2 above, The Client will examine the Financial Proposal of the first ranked Consultant. First, the Client will examine whether the Financial Proposal is complete. Then the Proposal is checked for arithmetical errors. The reasonability of the following in comparison with the supporting documents submitted by the Consultant is examined
- a) The remuneration rates, social costs, overheads, profits; and
  - b) Other costs such as out of pocket expenses, cost of surveys, equipment, office rent, supplies, travel, transport, computer rental, mobilization and printing.

### **Evaluation of Financial Proposals**

- 5.6 The Evaluation Committee will correct any computational errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount or between word and figures the formers will prevail. In addition to the above corrections, as indicated under para 3.6, activities and items described in the Technical Proposal but not priced, shall be assumed to be included in the prices of other activities or items. In case an activity or line item is quantified in the Financial Proposal differently from the Technical Proposal, (i) if Option B is applicable under Clause 6 of GC, the

Evaluation Committee shall correct the quantification indicated in the Financial Proposal so as to make it consistent with that indicated in the Technical Proposal, apply the relevant unit price included in the Financial Proposal to the corrected quantity and correct the total Proposal cost, (ii) if Option A is applicable under Clause 6 of GC, no corrections are applied to the Financial Proposal in this respect. Prices shall be converted to Sri Lankan Rupees if the consultants were allowed to indicate certain expenditure of the Financial Proposal in foreign currency, using the selling rates of exchange, source and date indicated in the Data Sheet.

### **Combined Evaluation Technical and Financial Proposals**

- 5.7 The lowest evaluated Financial Proposal (Fm) will be given the maximum financial score (Sf) of 100 points. The financial scores (Sf) of the other Financial Proposals will be computed as indicated in the Data Sheet. Proposals will be ranked according to their combined technical (St) and financial (Sf) scores using the weights (T = the weight given to the Technical Proposal; P = the weight given to the Financial Proposal; T + P = 1) indicated in the Data Sheet:  $S = St \times T\% + Sf \times P\%$ . The firm achieving the highest combined technical and financial score will be invited for negotiations

## **6 Negotiations**

- 6.1 Negotiations will be held at the date and address indicated in the Data Sheet. The invited Consultant will, as a pre-requisite for attendance at the negotiations, confirm availability of all professional staff. Failure in satisfying such requirements may result in the Client proceeding to negotiate with the next-ranked Consultant. Representatives conducting negotiations on behalf of the Consultant must have written authority to negotiate and conclude a Contract.

### **Technical negotiations**

- 6.2 Negotiations will include a discussion of the Technical Proposal, the proposed technical approach and methodology, work plan, and organization and staffing, and any suggestions made by the Consultant to improve the Terms of Reference. The Client and the Consultants will finalize the Terms of Reference, staffing schedule, work schedule, logistics, and reporting. These documents will then be incorporated in the Contract as "Description of Services". Special attention will be paid to clearly defining the inputs and facilities required from the Client to ensure satisfactory implementation of the assignment. The Client shall prepare minutes of negotiations which will be signed by the Client and the Consultant.

### **Availability of Professional staff/experts**

- 6.3 Having selected the Consultant on the basis of, among other things, an evaluation of proposed Professional staff, the Client expects to negotiate a Contract on the basis of the professional staff named in the Proposal. Before contract negotiations, the Client will require assurances that the professional staff will be actually available. The Client will not consider substitutions during contract negotiations unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such

as death or medical incapacity. If this is not the case and if it is established that professional staff were offered in the proposal without confirming their availability, the Consultant may be disqualified. Any proposed substitute shall have equivalent or better qualifications and experience than the original candidate and be submitted by the Consultant within the period of time specified in the letter of invitation to negotiate.

#### **Financial negotiations**

- 6.4 Unless there are exceptional reasons, the remuneration rates for staff and other proposed unit rates of the financial proposals shall not be negotiated.

#### **Financial negotiations** (only for the section 4 - Financial Proposal - Standard Forms of this RFP)

- 6.5 For QBS method, if requested by the Client, the Consultants shall provide the information on remuneration rates described in the Appendix attached to Section 4-Financial proposal-standard form of this RFP.

#### **Conclusion of the negotiations**

- 6.6 Negotiations will conclude with a review of the draft Contract. To complete negotiations the Client and the Consultant will initial the agreed Contract. If negotiations fail, the Client will invite the Consultant whose Proposal received the second highest score to negotiate a Contract.

### **7 Award of Contract**

- 7.1 After completing negotiations the Client shall award the Contract to the selected Consultant, and promptly notify all Consultants who have submitted proposals. After Contract signature, the Client shall return the unopened Financial Proposals to the unsuccessful Consultants.
- 7.2 The Client will notify the selected Consultant the date, time and venue for the signing of the agreement following the template given in Section 6. The option selected for the method of payment, under GC Clause 6 is stated in the Data Sheet.
- 7.3 The Consultant is expected to commence the assignment on the date and at the location specified in the Data Sheet.

### **8 Confidentiality**

- 8.1 Information relating to evaluation of Proposals and recommendations concerning awards shall not be disclosed to the Consultants who submitted the Proposals or to other persons not officially concerned with the process, until the publication of the award of Contract. The undue use by any Consultant of confidential information related to the process may result in the rejection of its Proposal and may be subject to the provisions of the Bank's antifraud and corruption policy.

## Instructions to Consultants: DATA SHEET

Paragraph Reference	
1.1	<p>Name of the Client: <a href="#">Sri Lanka Sustainable Energy Authority (SLSEA)</a></p> <p>Method of Selection: <a href="#">Quality and Cost-Based Selection (QCBS)</a></p>
1.2	<p>The Assignment is:  <a href="#">“Conducting Bird Collision Risk Modelling using Existing Avifaunal Data for the Proposed Veravil Wind Power Project”</a></p> <p>Tender No: <a href="#">SEA/PD/R&amp;D/01-2026</a></p>
1.3	<p>a) A pre-proposal conference will be held on 27<sup>th</sup> of April 2026 at 10:30a.m. at the Board room of SLSEA.</p> <p>b) Attendance to the Pre-Bid Meeting is an optional requirement.</p> <p>c) The client representatives is: <a href="#">Eng. Wimal Nadeera, Deputy Director General (Supply Side Management)</a></p> <p>d) Address: <a href="#">Sri Lanka Sustainable Energy Authority, No. 80, Sir Ernest de Silva Mawatha, Colombo 07.</a>            Email: <a href="mailto:nadeerawimal@gmail.com">nadeerawimal@gmail.com</a></p>
	<p>The client will be provided the following inputs and facilities:</p> <p>a) Provide available project data, information and documents required for the service (As mentioned in the TOR)</p>
1.8	<p>Proposals must remain valid until 17<sup>th</sup> of August 2026</p>

2.1	<p>Clarifications may be requested <b>not later than 14 days before the Bid submission date.</b></p> <p>The address for requesting clarification is:  Assistant Director (Procurement)  Procurement Division  SLSEA  Tel: 011 2271586, 011 2575030  Email: <a href="mailto:procurement@energy.gov.lk">procurement@energy.gov.lk</a></p>
3.3 (b)	A: If QCBS/QBS/LCS methods are used:
3.4 (g)	<p>Training is a specific component of this assignment: Yes/No if yes, provide appropriate information]:</p> <p style="text-align: center;"><b>No</b></p>
3.6	Breakdown cost of Activities required: <b>Yes</b>
4	Each bid shall be accompanied by a Bid Security of LKR 50,000.00, valid until 17 <sup>th</sup> of September 2026.
4.3	<p>Consultant must submit</p> <ol style="list-style-type: none"> <li>1. <b>Original</b> and <b>three copies</b> of the <b>Technical Proposal</b></li> <li>2. <b>Original</b> and <b>a copy</b> of the <b>Financial Proposal</b></li> <li>3. Soft copies of both Technical and Financial proposals</li> </ol>
4.5	<p>The Proposal submission address is:</p> <ol style="list-style-type: none"> <li>a) Chairman (Departmental Consultant Procurement Committee), Sri Lanka Sustainable Energy Authority, No. 80, Sir Ernest de Silva Mawatha, Colombo 07.</li> <li>b) Please indicate the topic of the assignment on the top left-hand corner of the envelope.</li> <li>c) Proposals shall be deposited in the designated box kept at the Sri Lanka Sustainable Energy Authority, No. 80, Sir Ernest de Silva Mawatha, Colombo 07, or hand-delivered to the Procurement Division of SLSEA.</li> </ol>

	<p>d) Proposals must be submitted no later than the following date and time: <b>19<sup>th</sup> of May 2026 at 10:30a.m.</b></p> <p>e) Late bids will be rejected. Technical Bids will be opened immediately after the closing time in the presence of the bidders or their authorized representatives who wish to attend at the Board room of SLSEA.</p>
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5.2

Criteria, sub-criteria, and point system for the evaluation of Technical Proposals are:

Points

(i) Specific experience of the Consultants:

a. Formulation of Environmental Impact Assessment studies in development projects (One point per project)	[05]
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b. Experience in formulation of Bird Collision Risk Modelling (BCRM) and avifaunal impact assessment studies for wind energy and infrastructure development projects	[05]
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<b>Total points for criterion (i):</b>	<b>[10]</b>
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(ii) Methodology and Work Plan:

a. Technical approach and methodology	[20]
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b. Work plan	[15]
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c. Organization and staffing	[10]
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<b>Total points for criterion (ii):</b>	<b>[45]</b>
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(iii) Key professional staff qualifications and competence for the assignment:

a. Team Leader / Senior Avifaunal Ecologist & Bird Collision Risk Modelling Expert	[10]
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b. Senior Biodiversity Specialist	[08]
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c. Collision Risk Modelling Specialist	[07]
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d. Avifaunal Specialist – Migratory and Soaring Birds	[05]
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e. Wind Energy Expert	[05]
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f. GIS and Spatial Analysis Specialist	[03]
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g. Environmental Impact Assessment (EIA) Specialist	[03]
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h. Data Analyst / Statistical Specialist / Others	[04]
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<b>Total points for criterion (iii):</b>	<b>[45]</b>
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Note: Marks are assigned for eight key expert positions; all the expertise mentioned above should be adequately covered through the candidates included in these eight positions. Same person will not be considered for two key expert positions.

The number of points to be assigned to each of the above positions or disciplines shall be determined considering the following three sub-criteria and relevant percentage weights:

- |  |              |
|--|--------------|
| 1) General qualifications  | [weight 50%] |
| 2) Adequacy for the assignment   | [weight 45%] |
| 3) Experience in region and language or experience with similar institutes | [weight 05%] |

[Total weight: 100%]

	The minimum technical score (St) required to pass is: 70 Points, including minimum of 50% from criterion (i)
<b>5.7</b>	The weights given to the Technical and Financial Proposals are: T = 80%, and P = 20% For final score, $S = S_t \times T\% + S_f \times P\%$
<b>7.2</b>	The option applicable is 'Option A'. (Clause 6.2 of GC)
<b>7.3</b>	Expected date for commencement of consulting services is 07 Days from the effective date.

## **Section 03. Technical Proposal - Standard Forms**

TECH-1 Technical Proposal Submission Form

TECH-2 Consultant's Organization and Experience

- A. Consultant's Organization
- B. Consultant's Experience

TECH-3 Comments or Suggestions on the Terms of Reference and on Counterpart Staff and Facilities to be provided by the Client

- A. On the Terms of Reference
- B. On the counterpart staff and Facilities

TECH-4 Description of the Approach, Methodology and Work Plan for Performing the Assignment

TECH-5 Team Composition and Task Assignments

TECH-6 Curriculum Vitae (CV) for Proposed Professional Staff

TECH-7 Staffing Schedule

TECH-8 Work Schedule

**\*\* Attach copies of relevant documentary proof, including academic qualifications and evidence of professional experience, for the proposed personnel.**

# FORM TECH-1 TECHNICAL PROPOSAL SUBMISSION FORM

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[Location, Date]

Director General  
Sri Lanka Sustainable Energy Authority  
No.80, Sir Ernest de Silva Mawatha,  
Colombo 07.

We, the undersigned, offer to provide the consulting services for “Conducting Bird Collision Risk Modelling using Existing Avifaunal Data for the Proposed Veravil Wind Power Project” in accordance with your Request for Proposal dated 10<sup>th</sup> of April 2026 and our Proposal. We are hereby submitting our Proposal, which includes this Technical Proposal and a Financial Proposal sealed under a separate envelope.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

If negotiations are held during the period of validity of the Proposal, i.e., before the date indicated in Paragraph Reference 1.8 of the Data Sheet, we undertake to negotiate on the basis of the proposed staff. Our Proposal is binding upon us and subject to the modifications resulting from Contract negotiations.

We undertake, if our Proposal is accepted, to initiate the consulting services related to the assignment not later than the date indicated in Paragraph Reference 7.3 of the Data Sheet.

We understand you are not bound to accept any Proposal you receive.

We remain,

Authorized Signature [In full and initials]: -----

Name and Title of Signatory: -----

Name of Consultancy Organization: -----

Address: -----  
-----

## **FORM TECH-2 CONSULTANT'S ORGANIZATION AND EXPERIENCE**

---

### **A - Consultant's Organization**

[Provide here a brief (two pages) description of the background and organization of your firm/entity and each associate for this assignment.]

## B - Consultant's Experience

*[Using the format below, provide information on each assignment for which your firm, and each associate for this assignment, was legally contracted either individually as a corporate entity or as one of the major companies within an association, for carrying out consulting services similar to the ones requested under this assignment. Use maximum of 20 pages.]*

Name of the Firm <sup>01</sup>	
Name and address of Client:	
Assignment name:	
Approx. value of the contract: Location:	
Narrative description of Project:	
Specific subject area of the assignment (eg. RE, infrastructure development projects etc.)	
Capacity of the plant if it is renewable energy (MW)	
No. of professional staff-months provided by you: Start date (month/year):	Duration of assignment (months):
	Total No. of staff-months of the Assignment:
	Approx. value of the services provided by firm:
	Completion date (month/year):
Name of associated Consultants, if any:	
Name of senior professional staff of your firm involved and functions performed (indicate most significant profiles such as Project Director/Coordinator, Team Leader):	
Description of actual services provided by your staff within the assignment:	
Describe difficulties met during the assignment and how did you overcome the problem and time taken briefly:	
Indicate the firms' name or associate firms' name	

## FORM TECH-3 COMMENTS AND SUGGESTIONS ON THE TERMS OF REFERENCE

---

### A-On the Terms of Reference

*[Present and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point and incorporated in your Proposal.]*

## B-On Counterpart Staff and Facilities

*[Comment here on counterpart staff and facilities to be provided by the Client according to Paragraph Reference 1.4 of the Data Sheet including: administrative support, office space, local transportation, equipment, data, etc.]*

## **FORM TECH-4 DESCRIPTION OF APPROACH, METHODOLOGY AND WORK PLAN FOR PERFORMING THE ASSIGNMENT**

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*Technical approach, methodology and work plan are key components of the Technical Proposal. Suggested to present the Technical Proposal (maximum of 50 pages, inclusive of charts and diagrams) divided into the following three chapters:*

- a) Technical Approach and Methodology,*
- b) Work Plan, and*
- c) Organization and Staffing,*

*a) Technical Approach and Methodology. Explain your understanding of the objectives of the assignment, approach to the services, methodology for carrying out the activities and obtaining the expected output, and the degree of detail of such output. State the proposed stakeholders need to be contacted and their requirement during the assignment. Should highlight the problems being addressed and their importance and explain the technical approach that would adopt to address them. Should also explain the methodologies you propose to adopt and highlight the compatibility of those methodologies with the proposed approach.*

*b) Work Plan. Should propose the main activities of the assignment, their content and duration, phasing and interrelations, milestones (including interim approvals by the Client), and delivery dates of the reports. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the final documents, including reports, drawings, and tables to be delivered as final output, should be included here. The work plan should be consistent with the Work Schedule of Form TECH-8.*

*c) Organization and Staffing. Should propose the structure and composition of the team. Should list the main disciplines of the assignment, the key expert responsible, and proposed technical and support staff.]*

# FORM TECH-5 TEAM COMPOSITION AND TASK ASSIGNMENTS

## Professional Staff

Firm Area of Expertise Position Tasks/ Assigned

Name of Staff	Firm	Area of expertise	Position assigned	Task /s assigned

## FORM TECH-6 CURRICULUM VITAE FOR PROPOSED PROFESSIONAL STAFF

1. Proposed Position<sup>01</sup>: -----
2. Name of Firm<sup>02</sup>: -----
3. Name of Staff<sup>03</sup>: -----
5. Education<sup>04</sup>: -----
6. Membership of Professional Associations: -----
7. Other Relevant Qualifications<sup>05</sup>: -----
8. Languages<sup>06</sup>: -----
9. Employment Record<sup>07</sup>:  
From [Year]: to [Year]: -----  
Employer: -----  
Positions held (with brief description): -----

10. No. of Bird Collision Risk Assessments you have been involved and work assigned

11. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

----- Date-----  
*[Signature of staff member]*

----- Date-----  
*[Signature of authorized representative of the consultant]*

Full name of authorized representative: -----

- 
- 1) only one candidate shall be nominated for each position
  - 2) Insert name of firm proposing the staff
  - 3) Insert full name
  - 4) Indicate /university and other specialized education of staff member, giving names of institutions, degrees obtained, and dates of obtainment
  - 5) Indicate significant qualification/ training
  - 6) For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]:
  - 7) Starting with present position, list in reverse order every employment held by staff member since graduation, giving for each employment (see format): dates of employment, name of employing organization, positions held
  - 8) Attach copies of relevant documentary proof, including academic qualifications and evidence of professional experience, for the proposed personnel.



**FORM TECH-8 WORK SCHEDULE**

No	Activity	Months													
		1	2	3	4	5	6	7	8	9	10	11	12	n	
1															
2															
3															
4															
5															
n															

- 45 Indicate all main activities of the assignment, including delivery of reports (e.g.: inception, interim, and final reports), and other benchmarks such as Client approvals. For phased assignments indicate activities, delivery of reports, and benchmarks separately for each phase.
- 46 In the case of Engineering/Architectural services design stage/ bidding stage/ supervision stage etc.
- 47 Duration of activities shall be indicated in the form of a bar chart.

## **Section 04. Financial Proposal - Standard Forms**

Financial Proposal Standard Forms shall be used for the preparation of the Financial Proposal according to the instructions provided under para. 3.6 of Section 2. Such Forms are to be used whichever is the selection method indicated in para. 4 of the Letter of Invitation.

FIN-1 Financial Proposal Submission Form

FIN-2 Summary of Costs

FIN-3 Breakdown of Remuneration

FIN-4 Breakdown of Other Expenses

FIN-5 Breakdown of Costs by Activity (if required under Clause 3.6 of Data Sheet)

Appendix: Financial Negotiations - Breakdown of Remuneration Rates (for Quality Based Selection only)

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**FORM FIN-1 FINANCIAL PROPOSAL SUBMISSION FORM**

[Location, Date]

Director General  
Sri Lanka Sustainable Energy Authority  
No.80, Sir Ernest de Silva Mawatha,  
Colombo 07.

We, the undersigned, offer to provide the consulting services for “Conducting Bird Collision Risk Modelling using Existing Avifaunal Data for the Proposed Veravil Wind Power Project” in accordance with your Request for Proposal dated 10<sup>th</sup> of April 2026 and our Technical Proposal. Attached the Financial Proposal separately is for the sum of ..... [Insert LKR amount(s) in words] ..... [Insert LKR amount(s) in figures<sup>48</sup> ]

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal, i.e. before the date indicated in Paragraph Reference 1.8 of the Data Sheet.

We understand you are not bound to accept any proposal you receive.

Authorized Signature [In full and initials]: -----

Name and Title of Signatory: -----

Name of Firm: -----

Address: -----

48 Amounts must coincide with the ones indicated under Total Cost of Financial proposal in Form FIN-2

## FORM FIN-2 SUMMARY OF COSTS

---

	Local Cost
	(Sri Lankan Rupees)
Remuneration (from FIN 3)	
Other Expenses (from FIN 4)	
Total Costs of Financial Proposal carried to Financial Proposal Submission Form	

**FORM FIN-3 BREAKDOWN OF REMUNERATION**

Name	Position	Input (Staff- months)		Staff month rate		Amount  Local currency (Sri Lankan Rupees)
				Currency	Amount	
<b>Total Costs carried to FIN – 2</b>						

- 49 Professional staff should be indicated individually; Support Staff should be indicated per category (e.g.: draftsmen, staff)
- 50 2 Positions of professional staff shall coincide with the ones indicated in form TECH-5.

## FORM FIN-4 BREAKDOWN OF OTHER EXPENSES

No.	Description	Unit	Quantity	Local Sri Lankan /LKR	
				Currency	Amount
	Per diem allowances				
	International flight <sup>53</sup>				
	Communication costs between [Insert place] and [Insert place]				
	Drafting, reproduction of reports				
	Equipment, Instruments, materials, suppliers, etc.				
	Use of computers, software				
	Laboratory tests				
	Subcontracts				
	Local transportation costs				
	Office rent, clerical assistance				
	Others (Please Specify)				
	Total Costs carried to FIN – 2				

51 Delete items that are not applicable or add other items required

52 Should not repeat remuneration considered under Form Fin-4

53 Indicate route of each flight, and if the trip is one- or two-ways

## FORM FIN-5 BREAKDOWN OF COST OF ACTIVITIES

Group of Activities (Phase): <sup>55</sup>				Local Sri Lankan /LKR
No	Description	Unit	Quantity	
1				
2				
3				
4				
5				
6				
<b>Total</b>				

<sup>55</sup> Name/s of activity/ies (phase) should be the same as, or correspond to the ones indicated in the second column of Form TECH-8

<sup>56</sup> Short description of the activities whose cost breakdown is provided in this Form

<sup>57</sup> Delete items that are not applicable or add other items required

<sup>58</sup> Insert name of staff below

<sup>59</sup> If applicable change to Day/Hour

<sup>60</sup> List the item

## **Section 05. Terms of Reference**

### **1. Background**

Sri Lanka Sustainable Energy Authority (SLSEA) proposes to develop a 204 MW Wind Power Project at Veravil in the Kilinochchi district in Sri Lanka. A comprehensive baseline avifaunal (bird) study has already been completed for the project area as part of the Environmental Impact Assessment (EIA) process.

In order to assess potential impacts of the proposed wind turbines on bird species, particularly collision-related mortality, it is required to carry out a Bird Collision Risk Model (CRM) using the existing bird study data, in accordance with nationally accepted EIA practices and internationally recognized methodologies.

This TOR defines the scope of work, methodology, deliverables, and timelines for undertaking the bird collision risk modelling study.

### **2. Objectives of the Assignment**

The main objectives of this assignment are to:

- Assess the potential collision risk to bird species from the proposed wind turbines using existing avifaunal data.
- Quantify species-wise collision mortality estimates (e.g., collisions per turbine per year).
- Evaluate the significance of predicted collisions in relation to local, regional, or national bird populations.
- Support the EIA approval process by providing a technically robust and defensible CRM report.
- Recommend appropriate mitigation and management measures, where necessary.

### **3. Scope of Work**

The Consultant shall carry out the following tasks using the existing avifaunal baseline data provided by the Client:

#### **3.1 Review of Existing Data**

Review and assess the adequacy and quality of the completed bird study data, including:

- Species list and conservation status
- Bird abundance and activity rates
- Flight height distributions
- Seasonal and temporal variations
- Survey methodologies used
- Identify any limitations or assumptions required for collision risk modelling.

#### **3.2 Review of Project and Turbine Parameters**

Review project layout and turbine specifications, including:

- Number of turbines
- Turbine locations (GIS coordinates)
- Hub height, rotor diameter, and swept area
- Operational parameters (cut-in speed, rotational speed, etc.)

#### **3.3 Selection of Collision Risk Model**

Select an appropriate collision risk modelling approach (e.g., Band model or equivalent internationally accepted model) suitable for the available data.

Clearly justify the choice of model and key assumptions.

### **3.4 Collision Risk Modelling**

Undertake species-wise collision risk modelling for relevant bird species or species groups.

Apply appropriate avoidance rates based on peer-reviewed literature and best practice.

Estimate:

- Annual collision mortality per turbine
- Total annual collision mortality for the wind farm

### **3.5 Sensitivity and Uncertainty Analysis**

Conduct sensitivity analysis using different avoidance rate scenarios.

Discuss uncertainty related to data inputs, assumptions, and model limitations.

### **3.6 Impact Significance Evaluation**

Assess the significance of predicted collision mortality with reference to:

- Conservation status of species
- Known population sizes or proxies
- Cumulative impact considerations, where applicable

### **3.7 Mitigation and Management Measures**

Recommend practical mitigation measures, where collision risk is identified as potentially significant, such as:

- Turbine micro-siting adjustments (if applicable)
- Operational mitigation (e.g., shutdown on demand – conceptual level)
- Monitoring recommendations for post-construction phase

### **3.8 Coordinating with the Environmental Impact Assessment (EIA) team**

The Consultant shall closely coordinate with the EIA team throughout the assignment to ensure alignment of technical inputs, data requirements, and assessment findings. This includes sharing relevant project information, participating in joint meetings, and integrating environmental considerations into the study outputs. Effective coordination shall be maintained to support a consistent and comprehensive evaluation in line with the overall EIA process and project objectives.

## 4. Deliverables

The Consultant shall submit the following:

- (a) **Report 1** – Inception report including work plan
- (b) **Report 2** – Draft CRM report
- (c) **Report 3** – Amended CRM report in cooperating SLSEA’s comments (This report shall be submitted to Central Environmental Authority (CEA))
- (d) **Report 4** – Draft Final CRM report in cooperating CEA’s comments
- (e) **Report 5** – Final CRM report in cooperating TEC’s recommendations based on public hearing.

The final report shall include, at minimum:

- Executive Summary
- Description of methodology and assumptions
- Summary of input avifaunal data
- Collision modelling results (tables and figures)
- Sensitivity and uncertainty analysis
- Impact significance assessment
- Mitigation and monitoring recommendations
- Limitations and conclusions

All reports shall be submitted in editable format (MS Word) and PDF, together with all supporting calculation sheets and model outputs (Excel or equivalent), and soft copies of each report shall be provided. Reports 1, 2, and 3 may be submitted in English only. Report 3 (Amended CRM Report incorporating SLSEA’s comments) shall be submitted for adequacy review prior to submission to the Central Environmental Authority (CEA). Reports 4 (Draft Final CRM Report incorporating CEA’s comments) and Report 5 (Final CRM Report incorporating TEC recommendations based on the public hearing) shall be submitted in English together with Sinhala and Tamil translations. Two (02) hard copies and soft copies of Reports 4 and 5 shall be submitted for the purpose of public inspection. The CRM Reports shall be prepared in plain language and may include appropriate graphics and illustrations to ensure that decision makers and the general public can easily understand the content.

## **5. Duration of the Assignment**

The total duration of the assignment shall be **10-12 weeks** from the date of commencement, subject to timely provision of data by the Client.

## **6. Data to Be Provided by the Client**

The Client shall provide the following:

- Final avifaunal baseline survey report and raw datasets
- Project layout maps (Annexure -3)
- Any relevant correspondence or requirements from regulatory authorities

- **7. Consultant Qualifications**

- The required qualifications for the team members are mentioned below.

No.	Position	Minimum Required Qualifications and Experience
1	Team Leader / Senior Avifaunal Ecologist & Bird Collision Risk Modelling Expert	<ul style="list-style-type: none"> <li>● Postgraduate degree (MSc/PhD) in Ornithology, Ecology, Biodiversity Conservation, Environmental Science or related field.</li> <li>● Minimum 10 years professional experience in avifaunal ecology and environmental impact assessments.</li> <li>● Demonstrated experience in Bird Collision Risk Modelling (BCRM) for wind energy or infrastructure projects and application of recognized collision risk models (e.g., Band Model).</li> <li>● Experience leading multidisciplinary environmental studies is required.</li> </ul>
2	Senior Biodiversity Specialist	<ul style="list-style-type: none"> <li>● Degree in Ecology, Zoology, Biodiversity Conservation, Environmental Science or related field.</li> <li>● Minimum 8 years professional experience in biodiversity assessments and ecological studies for development projects.</li> <li>● Experience in interpretation of avifaunal datasets and contribution to environmental impact assessments is required.</li> </ul>
3	Collision Risk Modelling Specialist	<ul style="list-style-type: none"> <li>● Degree in Environmental Science, Applied Ecology, Environmental Engineering or related field.</li> <li>● Minimum 7 years' experience in ecological modelling or bird collision risk modelling for wind energy or infrastructure projects.</li> <li>● Experience in quantitative analysis, modelling assumptions, avoidance rates, and sensitivity analysis is required.</li> </ul>

4	Avifaunal Specialist – Migratory and Soaring Birds	<ul style="list-style-type: none"> <li>• Degree in Zoology, Ecology, Wildlife Biology or related field.</li> <li>• Minimum 5 years’ experience in avifaunal studies, particularly migratory bird monitoring and behavior of large soaring bird species.</li> <li>• Knowledge of regional bird species and conservation status is desirable.</li> </ul>
5	Wind Energy Expert	<ul style="list-style-type: none"> <li>• Degree in Electrical Engineering, Mechanical Engineering, Renewable Energy Engineering or related discipline.</li> <li>• Minimum 5 years professional experience in wind energy project development, turbine technology, wind farm layout design, or wind resource assessment.</li> <li>• Familiarity with turbine parameters relevant to collision risk modelling is required.</li> </ul>
6	GIS and Spatial Analysis Specialist	<ul style="list-style-type: none"> <li>• Degree in GIS, Geomatics, Environmental Science, Geography or related field.</li> <li>• Minimum 3 years professional experience in spatial analysis, GIS mapping, and management of environmental datasets.</li> <li>• Experience in preparation of spatial maps and analysis of turbine layout data is desirable.</li> </ul>
7	Environmental Impact Assessment (EIA) Specialist	<ul style="list-style-type: none"> <li>• Degree in Environmental Science, Environmental Engineering or related discipline.</li> <li>• Minimum 3 years’ experience in environmental impact assessments for infrastructure or energy projects and familiarity with national environmental approval processes.</li> </ul>
8	Data Analyst / Statistical Specialist / Others	<ul style="list-style-type: none"> <li>• Degree in Statistics, Mathematics, Environmental Science, Data Science or related field.</li> <li>• Minimum 4 years’ experience in data analysis, statistical interpretation, and management of environmental datasets.</li> <li>• Experience in processing avifaunal or ecological data is desirable.</li> </ul>

## 8. Reporting and Review

- The work of the Consultant shall be supervised by the Director General, SLSEA or officers designated by him.
- The Consultant shall report progress and submit deliverables as specified in this TOR and shall **present progress updates at the completion of each deliverable** to the **Director General, SLSEA**, or an authorized representative.
- The Consultant shall incorporate comments provided by the Client and/or regulatory agencies.
- The Consultant shall also address and incorporate all relevant comments, observations, and recommendations issued by the Technical Evaluation Committee (TEC) during the EIA report review process, insofar as they relate to bird collision risk and avifaunal impacts.
- The Consultant shall address and incorporate all relevant comments, observations, and recommendations issued by the Technical Evaluation Committee and any public review comments on the Bird Collision Risk Modelling Report.
- The Consultant is required to carry out all necessary modifications and revisions to the Bird Collision Risk Modelling Report without levy or additional remuneration and remain responsible until final approval is obtained from the relevant authorities.

## 9. Confidentiality

All data and reports prepared under this assignment shall remain the property of the Client and shall not be disclosed to third parties without written approval.

## **10. Contract Administration and Termination**

The **Director General, Sri Lanka Sustainable Energy Authority (SLSEA)**, shall hold the **exclusive right to terminate the contract** in the event that the Consultant fails to comply with the terms, conditions, or obligations set out in the Agreement and this TOR.

## **11. Payment Schedule (Indicative)**

- 15% on Inception Report
- 20% on submission of Report 2
- 20% on submission of Report 3
- 15% on submission of Report 4
- 15% on submission of Report 5
- 15% after obtaining final approval from relevant authorities/agencies

*End of TOR*

# Section 06. Standard Forms of Contract

## I. Form of Contract

(Text in brackets [ ] is optional; all notes should be deleted in final text)

This CONTRACT (hereinafter called the “Contract”) is made on the [day] day of the month of [month], [year], between, on the one hand, Sri Lanka Sustainable Energy Authority (hereinafter called the “Client”) and, on the other hand, [name of consultant] (hereinafter called the “Consultant”).

[Note: If the Consultant consist of more than one entity, the above should be partially amended to read as follows: “...(hereinafter called the “Client”) and, on the other hand, a joint venture/consortium/association consisting of the following entities, each of which will be jointly and severally liable to the Client for all the Consultant’s obligations under this Contract, namely, [name of Consultant] and [name of Consultant] (hereinafter called the “Consultant”).]

WHEREAS

- (a) the Client has requested the Consultant to provide certain consulting services as defined in this Contract (hereinafter called the “Services”);
- (b) the Consultant, having represented to the Client that it has the required professional skills, and personnel and technical resources, has agreed to provide the Services on the terms and conditions set forth in this Contract;

NOW THEREFORE the parties hereto hereby agree as follows:

1. The following documents attached hereto shall be deemed to form an integral part of this Contract:
  - (a) The General Conditions of Contract;
  - (b) The Special condition of Contract;
  - (c) The following Appendices: [Note: If any of these Appendices are not used, the words “Not Used” should be inserted below next to the title of the Appendix]

Appendix A: Description of Services (TOR)

Appendix B: Reporting Requirement

Appendix C: Personnel and sub consultant

Appendix D: Breakdown of Contract Price

Appendix E: Services and Facilities Provided by the Client

Appendix G: Form of Advance Payment Guarantee

2. The mutual rights and obligations of the Client and the Consultant shall be as set forth in the Contract, in particular:
- (a) the Consultant shall carry out the Services in accordance with the provisions of the Contract; and
  - (b) the Client shall make payments to the Consultants in accordance with the provisions of the Contract.

IN WITNESS WHEREOF, the Parties hereto have caused this Contract to be signed in their respective names as of the day and year first above written.

For and on behalf of [Sri Lanka Sustainable Energy Authority]

---

Director General,

For and on behalf of [name of Consultant]

---

[Authorized Representative]

*[Note: If the Consultant consists of more than one entity, all these entities should appear as signatories, e.g., in the following manner:]*

For and on behalf of each of the Members of the Consultant

*[name of member]*

---

*[Authorized Representative]*

*[name of member]*

---

*[Authorized Representative]*

## II. General Conditions of Contract

### 1. GENERAL PROVISIONS

- 1.1 Definitions** Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:
- (a) “Applicable Law” means the laws and any other instruments having the force of law in Democratic Socialist Republic of Sri Lanka, as they may be issued and in force from time to time.
  - (b) “Consultant” means any private or public entity that will provide the Services to the Client under the Contract.
  - (c) “Contract” means the Contract signed by the Parties and all the attached documents listed in its Clause 1 of the form of agreement, that is these General Conditions (GC), the Special Conditions (SC), and the Appendices.
  - (d) “Contract Price” means the price to be paid for the performance of the Services, in accordance with Clause 6;
  - (e) “Day” means calendar day.
  - (f) “Effective Date” means the date on which this Contract comes into force and effect pursuant to Clause GC 2.1.
  - (g) “Foreign Currency” means any currency other than Sri Lankan Rupees.
  - (h) “GC” means these General Conditions of Contract.
  - (i) “Member” means any of the entities that make up the joint venture/consortium/association, and “Members” means all these entities.
  - (j) “Party” means the Client or the Consultant, as the case may be, and “Parties” means both of them.
  - (k) “Personnel” means persons hired by the Consultant or by any Sub-Consultants and assigned to the performance of the Services or any part thereof. “Foreign Personnel” means such professionals and support staff that at the time of being so provided had their domicile outside Sri Lanka; “National Staff” means such professionals and support staff who at the

time of being so provided had their domicile inside Sri Lanka; and “Key Personnel” means the Personnel referred to in Clause GC 4.2

- (l) “Reimbursable expenses” means all assignment-related costs that will be paid to the Consultant on actuals.
- (m) “SC” means the Special Conditions of Contract by which the GC may be amended or supplemented.
- (n) “Services” means the work to be performed by the Consultant pursuant to this Contract, as described in Appendix A hereto.
- (o) “Sub-Consultants” means any person or entity to whom/which the Consultant subcontracts any part of the Services.
- (p) “Third Party” means any person or entity other than the Government, the Client, the Consultant or a Sub-Consultant.
- (q) “In writing” means communicated in written form with proof of receipt.

## **1.2 Relationship between the Parties**

Nothing contained herein shall be construed as establishing a relationship of master and servant or of principal and agent as between the Client and the Consultant. The Consultant, subject to this Contract, has complete charge of Personnel and Sub-Consultants, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

## **1.3 Law Governing Contract**

This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.

## **1.4 Language**

This Contract has been executed in English Language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract

## **1.5 Headings**

The headings shall not limit, alter or affect the meaning of this Contract.

## **1.6 Notices**

- 1.6.1.** Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when delivered in person to an authorized representative of the Party to

whom the communication is addressed, or when sent to such Party at the address specified in the SC.

- 1.6.2.** A Party may change its address for notice hereunder by giving the other Party notice in writing of such change to the address specified in the SC.

**1.7 Location**

The Services shall be performed at such locations as are specified in Appendix A hereto and, where the location of a particular task is not so specified, at such locations, as the client may approve.

**1.8 Authority of Member in Charge**

In case the Consultant consists of a joint venture/ consortium association of more than one entity, the Members hereby authorize the entity specified in the SC to act on their behalf in exercising all the Consultant's rights and obligations towards the Client under this Contract, including without limitation the receiving of instructions and payments from the Client

**1.9 Authorized Representatives**

Any action required or permitted to be taken, and any document required or permitted to be executed under this Contract by the Client or the Consultant may be taken or executed by the officials specified in the SC.

**1.10 Taxes and Duties**

The Consultant, Sub-Consultants, and their Personnel shall pay such indirect taxes, duties, fees, and other impositions levied under the Applicable Law, the amount of which is deemed to have been included in the Contract Price

**2. COMMENCEMENT, COMPLETION, MODIFICATION AND TERMINATION OF CONTRACT**

**2.1. Effectiveness of Contract**

This contract shall come into force and effect on the date (the "Effective Date") of the client's notice to the Consultant instructing the Consultant to begin carrying out the services. This notice shall confirm that the effectiveness conditions, if any, listed in the SC have been met.

**2.2 Commencement of services**

The Consultant shall begin carrying out the Services not later than the number of Days after the Effective Date specified in the SC.

**2.3 Expiration of Contract**

Unless terminated earlier pursuant to Clause GC 2.7 hereof, this Contract shall expire at the end of such time period after the Effective Date as specified in the SC.

## **2.4 Modifications or Variations**

Any modification or variation of the terms and conditions of this or Variations Contract, including any modification or variation of the scope of the Services, may only be made by written agreement between the Parties. However, each Party shall give due consideration to any proposals for modification or variation made by the other Party

## **2.5 Force Majeure**

### **2.5.1 Definition**

- a) For the purposes of this Contract, "Force Majeure" means an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable, and which makes a Party's performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by Government agencies.
- b) Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or such Party's Sub-Consultants or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected both to take into account at the time of the conclusion of this Contract and avoid or overcome in the carrying out of its obligations hereunder.
- c) Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder

### **2.5.2 No Breach of Contract**

The failure of a Party to fulfill any of its obligations under the contract shall not be considered to be a breach of, or default under, this Contract in so far as such inability arises from an event of Force Majeure, provided that the Party affected by such an event (a) has taken all reasonable precautions, due care and reasonable alternative measures in order to carry out the terms and conditions of this Contract, and (b) has informed the other Party as soon as possible about the occurrence of such an event

### **2.5.3 Measures to be taken**

- a) A Party affected by an event of Force Majeure shall continue to perform its obligations under the Contract as far as is reasonably practical and shall take all reasonable measures to minimize the consequences of any event of Force Majeure.

- b) A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any case not later than fourteen (14) Days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give written notice of the restoration of normal conditions as soon as possible
- c) Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure
- d) During the period of their inability to perform the Services as a result of an event of Force Majeure, the Consultant, upon instructions by the Client, shall either:
  - i. demobilize, in which case the Consultant shall be reimbursed for additional costs they reasonably and necessarily incurred, and, if required by the Client, in reactivating the Services; or
  - ii. Continue with the Services to the extent possible, in which case the Consultant shall continue to be paid under the terms of this Contract and be reimbursed for additional costs reasonably and necessarily incurred.
- e) In the case of disagreement between the Parties as to the existence or extent of Force Majeure, the matter shall be settled according to Clause GC 8.

## **2.6 Suspension**

The Client may, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fails to perform any of its obligations under this Contract, including the carrying out of the Services, provided that such notice of suspension (i) shall specify the nature of the failure, and (ii) shall request the Consultant to remedy such failure within a period not exceeding thirty (30) Days after receipt by the Consultant of such notice of suspension.

## **2.7 Termination**

### **2.7.1 By the Client**

The Client may terminate this Contract in case of the occurrence of any of the events specified in paragraphs (a) through (f) of this Clause GC 2.7.1. In such an occurrence the Client shall give a not less than thirty (30) Days' written notice of termination to the Consultant, and sixty (60) Days' in the case of the event referred to in (e).

- a) If the Consultant fails to remedy a failure in the performance of its obligations hereunder, as specified in a notice of suspension pursuant to Clause GC 2.6 hereinabove, within thirty (30) Days of receipt of such notice of suspension or within such further period as the Client may

have subsequently approved in writing.

- b) If the Consultant becomes (or, if the Consultant consists of more than one entity, if any of its Members becomes) insolvent or bankrupt or enter into any agreements with their creditors for relief of debt or take advantage of any law for the benefit of debtors or go into liquidation or receivership whether compulsory or voluntary.
- c) If the Consultant fails to comply with any final decision reached as a result of arbitration proceedings pursuant to Clause GC 8 hereof.
- d) If the Consultant, in the judgment of the Client has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.
- e) If, as the result of Force Majeure, the Consultant are unable to perform a material portion of the Services for a period of not less than sixty (60) Days.
- f) If the Client, in its sole discretion and for any reason whatsoever, decides to terminate this Contract.

#### **2.7.2 By the Consultant**

The Consultants may terminate this Contract, by not less than thirty (30) Days' written notice to the Client, such notice to be given after occurrence of any of the events the specified in paragraphs (a) through (c) of this Clause GC 2.7.2:

- a) If the Client fails to pay any money due to the Consultant pursuant to this Contract and not subject to dispute pursuant to Clause GC 8 hereof within sixty (60) days after receiving written notice from the Consultant that such payment is overdue.
- b) If, as the result of Force Majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than ninety (90) Days.
- c) If the Client fails to comply with any final decision reached as a result of arbitration pursuant to Clause GC 8 hereof.

#### **2.7.3 Cessation of Rights and Obligations**

Upon termination of this Contract pursuant to Clauses GC 2.7 hereof, or upon expiration of this Contract pursuant to Clause GC 2.3 hereof, all rights and obligations of the Parties hereunder shall cease, except such rights and obligations as may have accrued on the date of termination or expiration, the obligation of confidentiality set forth in Clause GC 3.3 hereof, (iii) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in Clause GC 3.6 hereof, and (iv) any right which a Party may have under the Applicable Law.

#### **2.7.4 Cessation of Services**

Upon termination of this Contract by notice of either Party to the other pursuant to Clauses GC 2.7.1 or GC 2.7.2 hereof, the Consultant shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultant and equipment and materials furnished by the Client, the Consultant shall proceed as provided, respectively, by Clauses GC 3.7 hereof.

#### **2.7.5 Payment Upon the Termination**

Upon termination of this Contract pursuant to Clauses GC 2.7.1 or upon GC 2.7.2, the Client shall make the following payments to the Consultant

- a) payment and reimbursable expenditures pursuant to Clause GC 6 for Services satisfactorily performed prior to the effective date of termination;
- b) except in the case of termination pursuant to paragraphs (e) and (f) of Clause GC 2.7.1, reimbursement of any reasonable cost incident to the prompt and orderly termination of the Contract, including the cost of the return travel of the Personnel and their eligible dependents.

#### **2.7.6 Disputes about Events of Termination**

If either Party disputes whether an event specified in Clause GC 2.9.1 or in Clause GC 2.9.2 hereof has occurred, such Party may, of within forty-five (45) days after receipt of notice of termination from the other Party, refer the matter to Clause GC 8 hereof, and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

### **3. OBLIGATIONS OF THE CONSULTANT**

#### **3.1. General**

##### **3.1.1 Standard of Performance**

The Consultant shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional standards and practices, and shall observe sound management practices, and employ appropriate technology and safe and effective equipment, machinery, materials and methods. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Client, and shall at all times support and safeguard the Client's legitimate interests in any dealing with Sub-Consultants or third Parties.

##### **3.1.2 Conflict of Interests**

The Consultant shall hold the Client's interests paramount, without any consideration for future work, and strictly avoid conflict with other assignments or their own corporate interests.

##### **3.2.1 Consultants Not to Benefit from Commissions, Discounts, etc.**

The payment of the Consultant pursuant to Clause GC 6 shall constitute the Consultant's only payment in connection with this Contract or the Services, and the Consultant shall not accept for their own benefit any trade commission, discount, or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations under the Contract, and the Consultant shall use their best efforts to ensure that the personnel, any Sub-Consultants, and agents of either of them similarly shall not receive any such additional payment.

##### **3.2.2 Consultant and Affiliates not to be Otherwise Interested in Project**

The Consultant agrees that, during the term of this Contract and after its termination, the Consultant and any entity affiliated with the Consultant, as well as any Sub-Consultants and any entity affiliated with such Sub-Consultants, shall be disqualified from providing goods, works or services (other than consulting services) resulting from or directly related to the Consultant's Services for the preparation or implementation of the project.

##### **3.2.3 Prohibition of Conflicting Activities**

The Consultant shall not engage and shall cause their Personnel as well as their Sub-Consultants and their Personnel not to engage, either directly or indirectly, in any business or professional activities which would conflict with the activities assigned to them under this Contract.

#### **3.3 Confidentiality**

Except with the prior written consent of the Client, the Consultant and the Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services.

#### **3.4 Insurance to be taken Out by the Consultant**

The Consultant (a) shall take out and maintain, and shall cause any Sub-Consultants to take out and maintain, at their (or the Sub-Consultants', as the case may be) own cost but on terms and conditions approved by the Client, insurance against the risks, and for the coverage, as shall be specified in the SC; and (b) at the Client's request, shall provide evidence to the Client showing that

such insurance has been taken out and maintained and that the current premiums have been paid.

### **3.5 Consultant's Actions Requiring Client's Prior Approval**

The Consultant shall obtain the Client's prior approval in writing before taking any of the following actions:

- a) entering into a subcontract for the performance of any part of the Services,
- b) appointing such members of the Personnel not listed by name in Appendix C, and
- c) any other action that may be specified in the SC.

### **3.6 Reporting Obligations**

- a) The Consultant shall submit to the Client the reports and documents specified in Appendix B hereto, in the form, in the numbers and within the time periods set forth in the said Appendix.
- b) Final reports shall be delivered in CD ROM in addition to the hard copies specified in said Appendix.

### **3.7 Documents Prepared by the Consultant to be the Property of the Client**

- a) All plans, drawings, specifications, designs, reports, other documents and software submitted by the Consultant under this Contract shall become and remain the property of the Client, and the Consultant shall, not later than upon termination or expiration of this Contract, deliver all such documents to the Client, together with a detailed inventory thereof.
- b) The Consultant may retain a copy of such documents and software. Restrictions about the future use of these documents, if any, shall be specified in the SC.

### **3.8 Accounting, Inspection and Auditing**

The Consultant (i) shall keep accurate and systematic accounts and records in respect of the Services hereunder, in accordance with accepted accounting principles and in such form and detail as will clearly identify all relevant time changes and costs, and the bases thereof, and (ii) shall periodically permit the Client or its designated representative and/or the Bank, and up to two years from the expiration or termination of this Contract, to inspect the same and make copies thereof as well as to have them audited by auditors appointed by the Client or the Bank, if so required by the Client or the Bank as the case may be.

## 4. CONSULTANT'S PERSONNEL

### 4.1. Description of Personnel

- a) The Consultant shall employ and provide such qualified and experienced Personnel and Sub-Consultants as are required to carry out the Services. The titles, agreed job descriptions, minimum qualifications, and estimated periods of engagement in the carrying out of the Services of the Consultant's Key Personnel are described in Appendix C. The Key Personnel and Sub-Consultants listed by title as well as by name in Appendix C are hereby approved by the Client.
- b) If required to comply with the provisions of Clause GC 3.1.1 hereof, adjustments with respect to the estimated periods of engagement of Key Personnel set forth in Appendix C may be made by the Consultant by written notice to the Client, provided (i) that such adjustments shall not alter the originally estimated period of engagement of any individual by more than 10% or one week, whichever is larger, and (ii) that the aggregate of such adjustments shall not cause payments under this Contract to exceed the ceilings set forth in Clause GC 6.1(b) of this Contract. Any other such adjustments shall only be made with the Client's written approval.
- c) If additional work is required beyond the scope of the Services specified in Appendix A, the estimated periods of engagement of Key Personnel set forth in Appendix C may be increased by agreement in writing between the Client and the Consultant. In case where payments under this Contract exceed the ceilings set forth in Clause GC 6.2 of this Contract, this will be explicitly mentioned in the agreement.

### 4.2. Approval of Personnel

The Key Personnel and Sub-Consultants listed by title as well as by name in Appendix C are hereby approved by the Client. In respect of other Personnel which the Consultant proposes to use in the carrying out of the Services, the Consultant shall submit to the Client for review and approval a copy of their Curricula Vitae (CVs). If the Client does not object in writing (stating the reasons for the objection) within twenty-one (21) Days from the date of receipt of such CVs, such Personnel shall be deemed to have been approved by the Client.

### 4.3. Working Hours, Overtime Leave, etc.

In case where Consultant will be paid based on the time spend by any Personnel carrying out Services inside Sri Lanka shall be deemed to have commenced or finished work in respect of the Services such number of days before their arrival in, or after their departure from Sri Lanka as is specified in Appendix C hereto. Such Key Personnel shall not be entitled to be paid for overtime nor to take paid sick leave or vacation leave except as specified in Appendix C hereto, and except as specified in such Appendix, the Consultant's remuneration shall be deemed to cover these items. All leave to be allowed to the Personnel is included in the staff months of service set forth in Appendix.

Any taking of leave by Personnel shall be subject to the prior approval by the Consultant who shall ensure that absence for leave purposes will not delay the progress and adequate supervision of the Services.

#### **4.4 Removal and/or Replacement of Personnel**

Except as the Client may otherwise agree, no changes shall be made in the Key Personnel. If, for any reason beyond the reasonable control of the Consultant, such as retirement, death, medical incapacity, among others, it becomes necessary to replace any of the Key Personnel, the consultant shall provide as a replacement a person of equivalent or better qualifications.

- b) If the Client finds that any of the Personnel have (i) committed serious misconduct or have been charged with having committed a criminal action, or (ii) have reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Consultant shall, at the Client's written request specifying the grounds thereof, Provide as a replacement a person with qualifications and experience acceptable to the Client.
- c) The Consultant shall have no claim for additional costs arising out of or incidental to any removal and/or replacement of Personnel.

## 5. OBLIGATIONS OF THE CLIENT

### 5.1 Assistance and Exemptions

Unless otherwise specified in the SC, the Client shall use its best efforts to ensure that the Government of Sri Lanka shall:

- a) Provide where applicable, the Consultant, Sub-Consultants and Personnel with work permits and such other documents as shall be necessary to enable the Consultant, Sub-Consultants or Personnel to perform the Services.
- b) Arrange where applicable, for the Personnel and, if appropriate, their eligible dependents to be provided promptly with all necessary entry and exit visas, residence permits, exchange permits and any other documents required for their stay in Sri Lanka.
- c) Facilitate where applicable, prompt clearance through customs of any property required for the Services and of the personal effects of the Personnel and their eligible dependents.
- d) Issue to officials, agents and representatives of the Government agencies all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services.
- e) Provide to the Consultant, Sub-Consultants and Personnel any such other assistance as may be specified in the SC.

### 5.2 Change in the Applicable Law related to Taxes and Duties

If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the cost incurred by the consultant in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the consultant under this Contract shall be increased or decreased accordingly by agreement between the Parties, and corresponding adjustments shall be made to the amounts referred to in Clauses GC 6.2

### 5.3 Services and Facilities

- (a) The Client shall make available free of charge to the Consultant the professional and support counterpart personnel, Services and Facilities listed under Appendix E.
- (b) In case that such personnel, services, facilities and property shall not be made available to the Consultant as and when specified in Appendix E, the Parties shall agree on (i) how the affected part of the Services shall be carried out ; (ii) any time extension that it may be appropriate to grant to the Consultant for the performance of the Services, (iii) the manner in which the Consultant shall procure any such personnel, services, facilities and property from other sources, and (iv) the additional payments, if any, to be made to the Consultant as a result thereof pursuant to Clause GC 6. Herein after.

#### **5.4 Counterpart Personnel**

- a) The Client shall make available to the Consultant free of charge such professional and support counterpart personnel, to be nominated by the Client with the Consultant's advice, if specified in Appendix E.
- b) If counterpart personnel are not provided by the Client to the Consultant as and when specified in Appendix E, the Client and the Consultant shall agree on (i) how the affected part of the Services shall be carried out, and (ii) the additional payments, if any, to be made by the Client to the Consultant as a result thereof pursuant to Clause GC 6.4 for option A or 6.3 for option B.
- c) Professional and support counterpart personnel, excluding Client's liaison personnel, shall work under the exclusive direction of the Consultant. If any member of the counterpart personnel fails to perform adequately any work assigned to such member by the Consultant that is consistent with the position occupied by such member, the Consultant may request the replacement of such member, and the Client shall not unreasonably refuse to act upon such request.

## 6. PAYMENTS TO THE CONSULTANT

### 6.1 Option 'A' or Option 'B' is applicable

Two options, 'Option A' and 'Option B' are given below. The applicable option is stated in the SC. If no option is stated in SC, Option A is applicable.

**OPTION A** (Clause 6.2 to 6.6 below are applicable)

### 6.2 Lump-Sum Payment

The total payment due to the Consultant shall not exceed the Contract Price which is an all-inclusive fixed lump-sum covering all costs required to carry out the Services described in Appendix A. Except as provided in Clause 5.2, the Contract Price may only be increased above the amounts stated in

Clause 6.3 if the Parties have agreed to additional payments in accordance with Clause 2.4 or clause 5.4.

### 6.3 Contract Price

- a) The price payable in Sri Lankan Rupees is set forth in the SC.
- b) The price payable in foreign currency/currencies is set forth in the SC.

### 6.4 Payment for Additional Services

For the purpose of determining the remuneration due for additional services as may be agreed under Clause 2.4, a breakdown of the lump-sum price is provided in Appendix D.

### 6.5 Terms and Conditions of Payment

Payment will be made according to the payment schedule stated in the SC. Unless otherwise stated in the SC, the first payment shall be made against the provision by the consultant of an advance payment guarantee acceptable to the client in an amount (or amounts) and in a currency (or currencies) specified in the SC. Such guarantee (i) to remain effective until the advance payment has been fully set off, and (ii) to be in the form set forth in Appendix G hereto, or in such other form as the Client shall have approved in writing. The advance payments will be set off by the Client in Installments proportionate to the payments made to the Consultant. Any other payment shall be made after the conditions listed in the SC for such payment have been met, and the Consultant has submitted an invoice to the Client specifying the amount due.

### 6.6 Interest on Delayed Payments

If the Client has delayed payments beyond thirty (30) days after the due date stated in the Clause SC 6.5, interest shall be paid to the consultant for each day of delay at the rate stated in the SC

**OPTION B** (Clause 6.2 to 6.5 below are applicable)

**6.2 Cost Estimates Ceiling Amount**

- a) An estimate of the cost of the Services payable in foreign currency is set forth in Appendix D
- b) Except as may be otherwise agreed under Clause GC 2.4 and subject to Clause GC 6.2(c), payments under this Contract shall not exceed the ceilings in Sri Lankan Rupees and foreign currency
- c) Notwithstanding Clause GC 6.2(b) hereof, if pursuant to any of the Clauses GC 5.2, 5.3 or 5.4 hereof, the Parties shall agree that additional payments in local and/or foreign currency, as the case may be, shall be made to the Consultant in order to cover any necessary additional expenditures not envisaged in the cost estimates referred to in Clause GC 6.2(a) above, the ceiling or ceilings, as the case may be, set forth in Clause GC 6.2(b) above shall be increased by the amount or amounts, as the case may be, of any such additional payments.

**6.3 Remuneration and Reimbursable Expenses**

- a) Subject to the ceilings specified in Clause GC 6.2(b) hereof, the Client shall pay to the consultant (i) remuneration as set forth in Clause GC 6.3(b) hereunder, and (ii) reimbursable expenses as set forth in Clause GC 6.3(c) hereunder. Unless otherwise specified in the SC, said remuneration shall be fixed for the duration of the Contract.
- b) Payment for the Personnel shall be determined on the basis of time actually spent by such Personnel in the performance of the Services after the date determined in accordance with Clause GC 2.2 and Clause SC 2.2 (or such other date as the Parties shall agree in writing), at the rates referred to in Clause SC 6.3(b), and subject to price adjustment, if any, specified in Clause SC 6.3(a).
- c) Reimbursable expenses actually and reasonably incurred by the Consultant in the performance of the Services, as specified in Clause SC 6.3(c).
- d) The remuneration rates referred to under paragraph (b) here above shall cover: (i) such salaries and allowances as the Consultant shall have agreed to pay to the Personnel as well as factors for social charges and overhead (bonuses or other means of profit-sharing shall not be allowed as an element of overhead), (ii) the cost of backstopping by home office staff not included in the Personnel listed in Appendix C, and (iii) the Consultant's fee.
- e) Any rates specified for Personnel not yet appointed shall be provisional and shall be subject to revision, with the written approval of the Client, once the applicable salaries and allowances are known.
- f) Payments for periods of less than one month shall be calculated on an hourly basis for actual time spent and directly attributable to the Services (one hour being equivalent to 1/176<sup>th</sup> of a month)

and on a calendar-day basis for time spent away from home office (one day being equivalent to 1/30<sup>th</sup> of a month).

#### **6.4 Currency of payment**

Foreign currency payments shall be made in the currency or currencies specified in the SC, and local currency payments shall be made in Sri Lankan Rupees

#### **6.5 Mode of Billings and payments**

Billings and payments in respect of the services shall be made as follows:

- a) Within the number of days after the Effective Date specified in the SC, the Client shall cause to be paid to the Consultant advance payments in foreign currency and in Sri Lankan Rupees as specified in the SC. When the SC indicate advance payment, this will be due after provision by the Consultant to the Client of an advance payment guarantee acceptable to the Client in an amount (or amounts) and in a currency (or currencies) specified in the SC. Such guarantee (i) to remain effective until the advance payment has been fully set off, and (ii) to be in the form set forth in Appendix G hereto, or in such other form as the Client shall have approved in writing. The advance payments will be set off by the Client in equal installments against the statements for the number of months of the Services specified in the SC until said advance payments have been fully set off.
- b) As soon as practicable and not later than fifteen (15) days after the end of each calendar month during the period of the Services, or after the end of each time intervals otherwise indicated in the SC, the Consultant shall submit to the Client, in duplicate, itemized statements, accompanied by copies of invoices, vouchers and other appropriate supporting materials, of the amounts payable pursuant to Clauses GC 6.4 and GC 6.5 for such month, or any other period indicated in the SC. Separate statements shall be submitted in respect of amounts payable in foreign currency and in local currency. Each statement shall distinguish that portion of the total eligible costs which pertains to remuneration from that portion which pertains to reimbursable expenses.
- c) The Client shall pay the Consultant's statements within sixty (60) days after the receipt by the Client of such statements with supporting documents. Only such portion of a statement that is not satisfactorily supported may be withheld from payment. Should any discrepancy be found to exist between actual payment and costs authorized to be incurred by the Consultant, the Client may add or subtract the difference from any subsequent payments. Interest at the annual rate specified in the SC shall become payable as from the above due date on any amount due by, but not paid on, such due date.
- d) The final payment under this Clause shall be made only after the final report and a final statement, identified as such, shall have been submitted by the Consultant and approved as satisfactory by the Client. The Services shall be deemed completed and finally accepted by the Client and the final report and final statement shall be deemed approved by the Client as satisfactory ninety (90) calendar days after receipt of the final report and final statement by the Client unless the Client, within such ninety (90) day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report or final statement. The Consultant shall thereupon promptly make any necessary corrections, and thereafter the foregoing process shall be repeated.

Any amount, which the Client has paid or caused to be paid in accordance with this Clause in excess of the amounts actually payable in accordance with the provisions of this Contract, shall be reimbursed by the Consultant to the Client within thirty (30) days after receipt by the Consultant of notice thereof. Any such claim by the Client for reimbursement must be made within twelve (12) calendar months after receipt by the Client of a final report and a final statement approved by the Client in accordance with the above.

- e) Payments in respect of remuneration or reimbursable expenses, which exceed the cost estimates for these items as set forth in Appendices D and E, may be charged to the respective contingencies provided for foreign and local currencies only if such expenditures were approved by the Client prior to being incurred.
- f) With the exception of the final payment under (d) above, payments do not constitute acceptance of the Services nor relieve the Consultant of any obligations hereunder.

## 7. GOOD FAITH

### 7.1 Good Faith

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

## 8. SETTLEMENT OF DISPUTES

### 8.1 Amicable Settlement

- a) The Parties agree that the avoidance or early resolution of disputes is crucial for a smooth execution of the Contract and the success of the assignment. The Parties shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
- b) If either Party objects to any action or inaction of the other Party, the objecting Party may file a written Notice of Dispute to the other Party providing in detail the basis of the dispute. The Party receiving the Notice of Dispute will consider it and respond in writing within 30 Days after receipt. If that Party fails to respond within 30 Days, or the dispute cannot be amicably settled within 30Days following the response of that Party, Clause GC 8.2 shall apply

### 8.2 Dispute Resolution

Any dispute between the Parties as to matters arising pursuant to this Contract that cannot be settled amicably within thirty (30) Days after receipt by one Party of the other Party's request for such amicable settlement may be submitted by either Party for settlement in accordance with the provisions specified in the SC and in accordance with Sri Lanka Arbitration Act No. 11 of 1995. **III.**

### III. Special Conditions of Contract

Number of GC Clause	Amendments of, and Supplements to Clauses in the General Conditions of Contracts
1.6	<p>The addresses are:</p> <p>Client: Sri Lanka Sustainable Energy Authority</p> <p>Attention: Director General</p> <p>E-mail: <a href="mailto:procurement@energy.gov.lk">procurement@energy.gov.lk</a></p>
	<p>Consultant: _____</p> <p>_____</p> <p>Attention: _____</p> <p>Facsimile: _____</p> <p>E-mail: _____</p>
{1.8}	<p>The Member in charge is [insert name of member]}</p> <p>Note: If the Consultant consists of a joint venture/ consortium/ association of Clause SC 1.8 should be inserted here If the Consultant consists only of one entity, this Clause SC 1.8 should be deleted from the SC.</p>
1.9	<p>The Authorized Representatives are:</p> <p>For the Client : Eng. Mr.Wimal Nadeera, Deputy Director General (SSM)</p> <p>For the Consultant: _____</p>
2.2	<p>The date for the commencement of Services is 07 Days from the effective date.</p> <p>The effective date of the assignment is date on which the agreement was signed.</p>
3.4	<p>Consultant should bare all the risks associated with the consulting assignment.</p> <p>The risks and the coverage shall be as follows:</p> <p>(a) Third Party motor vehicle liability insurance in respect of motor vehicles operated by the Consultant or its Personnel or any Sub- Consultants or their Personnel;</p> <p>(b) Third Party liability insurance, with a minimum coverage of [insert amount]</p> <p>(c) Professional liability insurance, with a minimum coverage of [insert amount]</p>

**{3.7 (b)} The applicable option is<sup>2</sup>: Option A**

3.7 (b)	The Consultant shall not use these documents and software for purposes unrelated to this Contract without the prior written approval of the Client.			
5.1	<b>Note:</b> List here any assistance or exemptions that the Client may provide under Clause 5.1. If there is no such assistance or exemptions, state "not applicable." Not Applicable			
6.1	<p><b>OPTION A</b></p> <p>The amount in <b>Sri Lankan Rupees</b> .....</p> <p>Payment shall be made according to the following schedule</p>			
6.3(a)	<p>Payment shall be made according to the following schedule:</p> <p><b>Payment schedule for Conducting Bird Collision Risk Modelling using Existing Avifaunal Data for the Proposed Veravil Wind Power Project</b></p> <p><b>Local currency component</b></p> <ul style="list-style-type: none"> <li>a) <b>Report 1</b> – Inception report including work plan</li> <li>b) <b>Report 2</b> – Draft CRM report</li> <li>c) <b>Report 3</b> – Amended CRM report in cooperating SLSEA’s comments (This report shall be submitted to Central Environmental Authority (CEA))</li> <li>d) <b>Report 4</b> – Draft Final CRM report in cooperating CEA’s comments</li> <li>e) <b>Report 5</b> – Final CRM report in cooperating TEC’s recommendations based on public hearing</li> <li>f) Obtaining final approvals from relevant authorities/ agencies</li> </ul>			
6.5	<b>Table 4.1 – Conducting Bird Collision Risk Modelling using Existing Avifaunal Data</b>			Payment schedule / (%)
No.	Deliverables	Description	Timeline	
01	Report 1	Inception report including work plan. The purpose of this report is to give the client the confidence that the assignment can be carried out as planned, and as agreed in the contract, as well as to bring to its attention major problems that might affect the direction and progress of the work. This includes the necessary presentations to the management of SLSEA	2 Weeks	15%
02	Report 2	Draft CRM report should cover the content of the TOR format given by the project proponent. This includes the necessary presentations to the management of SLSEA.	10 weeks	20%

03	Report 3	Amended CRM report in cooperating SLSEA's comments. This report shall be submitted to Central Environmental Authority (CEA) This includes the necessary presentations to the management of SLSEA & CEA.	12 weeks	20%	
04	Report 4	Amended CRM report in line with CEA's comments and to open public hearing This includes the necessary presentations to the management of SLSEA & CEA.		15%	
05	Report 5	Final CRM report in cooperating TEC's recommendations based on public hearing		15%	
06	Obtaining final approvals from relevant authorities / agencies	Payable upon receipt of formal approval or clearance of the Final CRM Report from the relevant regulatory authorities or agencies, where such approval is required as part of the assignment.		15%	

8.2	<p>Disputes shall be settled by arbitration in accordance with the following provisions.</p> <ol style="list-style-type: none"> <li>1. <u>Selection of Arbitrators.</u> Each dispute submitted by a Party to arbitration shall be heard by a sole arbitrator: <ol style="list-style-type: none"> <li>a) The Parties may agree to appoint a sole arbitrator or, failing agreement on the identity of such sole arbitrator within thirty (30) Days after receipt by the other Party of the proposal of a name for such an appointment by the Party who initiated the proceedings, either Party may apply to High Court of Sri Lanka to nominate the arbitrator for the matter in dispute.</li> </ol> </li> <li>2. <u>Substitute Arbitrators.</u> If for any reason an arbitrator is unable to perform his function, a substitute shall be appointed in the same manner as the original arbitrator.</li> <li>3. The decision of the sole arbitrator shall be final and binding and shall be enforceable in any court of competent jurisdiction, and the Parties hereby waive any objection to or claims of immunity in respect of such enforcement.</li> </ol>				
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## **IV Appendices**

### **Appendix A – Description of Services**

*Note: This Appendix will include the final Terms of Reference worked out by the Client and the Consultants during technical negotiations. Give detailed descriptions of the Services to be provided, dates for completion of various tasks, place of performance for different tasks, specific tasks to be approved by Client, etc.*

## **APPENDIX B - REPORTING REQUIREMENTS**

Note: List format, frequency, and contents of reports; persons to receive them; dates of submission; etc. If no reports are to be submitted, state here "Not applicable."

## **APPENDIX C - KEY PERSONNEL AND SUB-CONSULTANTS**

Note: List under:

C-1 Titles [and names, if already available], detailed job descriptions and minimum qualifications of Key Personnel to be assigned to work, and estimated staff-months for each.

C-2 List of approved Sub-Consultants (if already available); same information with respect to their Personnel as in C-1.

In case where Consultant will be paid based on the time spend by any Personnel, list here the hours of work for Key Personnel; travel time to and from the country of the Government for Foreign Personnel (Clause GC 4.4(a)); entitlement, if any, to overtime pay, sick leave pay, vacation leave pay, etc.

## APPENDIX D - BREAKDOWN OF CONTRACT PRICE

Note: List here the elements of cost used to arrive at the breakdown of the lump-sum price - foreign currency portion:

1. Monthly rates for Personnel (Key Personnel and other Personnel).
2. Reimbursable expenses (items that are not applicable should be deleted; others may be added):
  - a) Per diem allowances for each of the Personnel for every day in which such Personnel shall be required to work outside the Location
  - b) Air transport for Foreign Personnel: the cost of international transportation of the foreign Personnel by the most appropriate means of transport and the most direct practicable route to and from the Consultants' home office;
  - c) International communications: the cost of communications (other than those arising in the Client's country) reasonably required by the Consultant for the purposes of the Services.
  - d) The cost of printing, reproducing and shipping of the documents, reports, drawings, etc.
  - e) The cost of acquisition, shipment and handling of the following equipment, instruments, materials and supplies required for the Services, to be imported by the Consultants and to be paid for by the Client (including transportation to the Client's country).
  - f) The cost of laboratory tests on materials, model tests and other technical services authorized or requested by the Client.
  - g) The cost of such further items not covered in the foregoing but which may be required by the Consultants for the purpose of the Services, subject to the prior authorization in writing by the Client.

**APPENDIX E - SERVICES AND FACILITIES PROVIDED BY THE CLIENT**

Note: List here the services and facilities to made available to the Consultant by the Client.

**APPENDIX F - FORM OF ADVANCE PAYMENTS GUARANTEE**

Note: See Clause GC 6.4 and Clause SC 6.4

.....

**Bank Guarantee for Advance Payment**

\_\_\_\_\_ [Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: \_\_\_\_\_ [Name and Address of Client]

Date: \_\_\_\_\_

ADVANCE PAYMENT GUARANTEE No.: \_\_\_\_\_

We have been informed that [name of Consulting Firm] (hereinafter called "the Consultants") has entered into Contract No. [reference number of the contract] dated [insert date] with you, for the provision of [brief description of Services] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment in the sum of [amount in figures] ([amount in words]) is to be made against an advance payment guarantee.

At the request of the Consultants, we [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] ([amount in words])<sup>1</sup> upon receipt by us of your first demand in writing accompanied by a written statement stating that the Consultants are in breach of their obligation under the Contract because the Consultants have used the advance payment for purposes other than toward providing the Services under the Contract.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Consultants on their account number \_\_\_\_\_ at [name and address of Bank].

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Consultants as indicated in copies of certified monthly statements which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of the monthly payment certificate indicating that the Consultants have made full repayment of the amount of the advance payment, or on the \_\_\_ day of \_\_\_\_\_, 2\_\_\_,2 whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

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[signature(s)]

Note: All italicized text is for indicative purposes only to assist in preparing this form and shall be deleted from the final product.

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1. The Guarantor shall insert an amount representing the amount of the advance payment and denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Client.
  2. Insert the expected expiration date. In the event of an extension of the time for completion of the Contract, the Client would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Client might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Client's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."

# Annexure -1 – Location Map and Coordinates

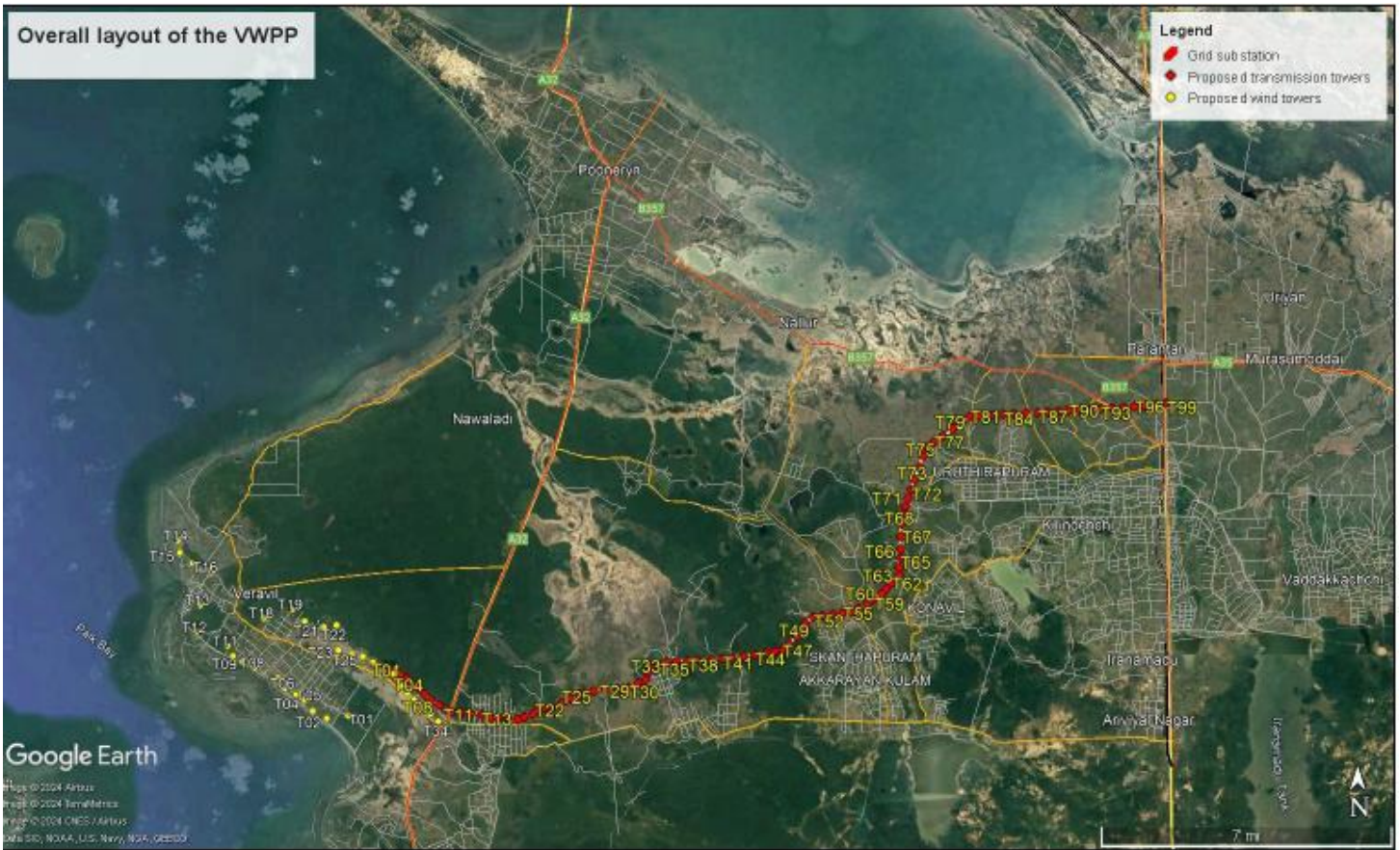


Figure 1: Turbine Locations of Proposed Veravil Wind Power Project

**Table 1: Geo-Reference of 34 Wind Turbines**

Turbine No	Longitude	Latitude
T 01	80.119384	9.31372
T 02	80.1118	9.312681
T 03	80.106816	9.315255
T 04	80.103912	9.319079
T 05	80.100872	9.320983
T 06	80.096924	9.323153
T 07	80.094593	9.326822
T 08	80.086326	9.330288
T 09	80.081941	9.332382
T 10	80.07864	9.334298
T 11	80.076733	9.337881
T 12	80.065762	9.342522
T 13	80.066948	9.35201
T 14	80.059044	9.374534
T 15	80.05972	9.370346
T 16	80.064167	9.36666
T 17	80.069928	9.364511
T 18	80.089497	9.347578
T 19	80.09963	9.350625
T 20	80.103974	9.34653
T 21	80.110764	9.344495
T 22	80.115168	9.345166
T 23	80.115879	9.336471
T 24	80.120619	9.335184
T 25	80.124511	9.33431
T 26	80.128077	9.332268
T 27	80.131666	9.329397
T 28	80.135426	9.328298
T 29	80.137881	9.324098
T 30	80.140332	9.321666
T 31	80.142669	9.319323
T 32	80.146089	9.317554
T 33	80.148353	9.314199
T 34	80.151218	9.311737