

**Nepal Investment Summit 2024 Secretariat**

**Office of the Investment Board Nepal**



Government of Nepal

Ministry of Energy, Water Resources, and Irrigation

**Alternative Energy Promotion Centre (AEPC)**

**Request for Expression of Interest (EOI)**

**Project Name and Address: Karnali - Chisapani Wind Power Project (10MW)**

AEPC/SWES/EOI/2080/81-01

Eoi Issue Date: 28<sup>th</sup> April 2024

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## ABBREVIATIONS

AEPC	Alternative Energy Promotion Centre
EOI	Expression of Interest
GoN	Government of Nepal
MoEWRI	Ministry of Energy Water Resources and Irrigation
NIS	Nepal Investment Summit
OIBN	Office of the Investment Board Nepal
PPP	Public-Private Partnership
RfP	Request for Proposal



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## 1. Brief Description

The decision by the Council of Ministers about the Third Investment Summit set the dates for organizing the Third Nepal Investment Summit 2024 on 28<sup>th</sup>& 29<sup>th</sup> April 2024. To further enhance Nepal's position as a promising investment destination and to build on the positive developments in policies and project preparation to attract domestic and foreign direct investment in various sectors in Nepal. The summit is expected to not only bring prominent national and international speakers, dignitaries, sector specific experts and high-level government officials but also to showcase different projects that could interest potential existing and new investors and developers to take on the projects.

A rigorous exercise has been undertaken to collect, evaluate, screen, and prepare projects for solicitation through EOI, market sounding, and projects in pipeline. The summit will also be an opportune venue for many of the developers to meet potential investors equity and debt in projects where the developers are already onboard and are ready to implement.

### **Brief Description about AEPC (EOI Issuing Agency)**

Alternative Energy Promotion Centre (AEPC), founded on November 3, 1996 (18 Kartik 2053 B.S.) is the focal agency of Government of Nepal (GoN) on renewable energy and energy efficiency under the purview of Ministry of Energy, Water Resources, and Irrigation (MoEWRI). The mission of AEPC is to make renewable energy and energy efficiency mainstream resource through the energy accessibility, knowledge and adaptability contributing towards improved living conditions of people of Nepal and combatting climate change globally.

Among the projects selected for solicitation, Karnali - Chisapani Wind Power Project (10MW) is also one of them.

### **Background:**

Nepal's electricity sector has been mostly dominated by hydropower and only a fraction of its renewable energy potential has been realized, with the share of wind energy being minimal. In view of energy security, it is vital to adopt the appropriate energy mix in the national grid by utilizing renewable energy sources such as wind and solar. In addition, the Solar and Wind Energy Resource Assessment (SWERA) analysis reveals that 3000 MW of electricity could be generated from wind energy considering 10% of the area with more than 300W/m<sup>2</sup> wind power density. Given the context, AEPC aims to demonstrate a 10 MWac wind power project at Lamki Chuha Municipality, Ward - 3 of Kailali District, Sudurpaschim Province. The analysis shows the wind speed at the proposed site averages approximately 6 m/s at 50 m height and is thus considered a feasible index to develop a commercial wind power project.

The initiative represents Nepal's first large-scale wind power project, highlighting its significance in exploring the potential of wind energy to augment the country's energy mix. By setting a precedent in the renewable energy sector, the project will serve as a pioneering example of sustainable energy development.

The objectives of the project are twofold. Firstly, it aims to demonstrate Nepal's inaugural utility-scale wind power project with a capacity of 10MWac, thereby showcasing the country's ability to



harness wind energy on a large scale. Secondly, the project seeks to illustrate the seamless integration of wind power into Nepal's energy mix, highlighting its potential as a sustainable and reliable source of electricity alongside existing energy sources. Through these objectives, the project aims to contribute to the diversification and sustainability of Nepal's energy sector while laying the foundation for future wind energy initiatives.

A brief introductory description of the projects is attached to this document Attachment-1.

## 2. Bidding Process Schedule

The AEPC shall endeavor to adhere to the following schedule to evaluate and shortlist from the EOI for the Request for Proposal.

EOI opening Date: 28<sup>th</sup> April 2024, 12:00 Noon (Nepal Standard Time)

Last date of submission of EOI: 29<sup>th</sup> May 2024, Before 12:00 Noon (Nepal Standard Time)

EOI opening date and place: 29<sup>th</sup> May 2024, 12:30 PM (Nepal Standard Time), Office of AEPC, Mid- Baneshwar, Kathmandu

Application Evaluation result: 29<sup>th</sup> July 2024

*Interested parties are requested to submit their EOI along with all necessary documents online at [www.eoi.investinnepal.gov.np](http://www.eoi.investinnepal.gov.np).*

### Contact Details:

Name of the Agency: Alternative Energy Promotion Centre (AEPC)

Address: Mid Baneshwor, Kathmandu, Nepal

Phone No: +9771-4598013, 4598014

Email address: laxman.ghimire@aepc.gov.np

*The details of the project structuring will be done before the Request for Proposals (RFP) is issued and the details will be provided with the RFP document. OIBN reserves the right to shortlist or not to shortlist any or all the applicant(s) without assigning any reasons whatsoever. A pre-bid conference shall be held only at the RFP stage.*

## 3. Pre-qualifying Criteria and Instructions

### 3.1. Pre-qualifying

The applicants must meet the following pre-qualifying to be considered for further evaluation and shortlisting.

- a) Minimum of 3 years of experience of the applicant or lead partner (in case of JV/consortium) in Development of Wind Projects or Solar Projects or Hydropower Projects in Public Private Partnership (PPP) model.
- b) Must have completed development of at least one Wind project or Solar Project or Hydropower Project in past 3 years whose Power capacity should not be less 2 MW [(20 % for <200 MW) of Indicative capacity of project to be solicited].(Completed development projects means: For domestic developer, At least EM works-initiated projects for which



letter issued from DOED regarding the custom facilities required and For International Developer, project completion/operation certificate is required)

- c) Net worth of the applicant or lead partner (in case of JV/consortium) should be equivalent to at least 10 % of the cost of the project to be solicited at the time of making the application/proposal.

**Note:** The currency exchange rate of the first date of EOI publication will be considered for conversion of net worth and project scale if reported in currency other than Nepali Rupees.

### 3.2. Application Procedure

The developer/investor who meets the above pre-qualifying criteria can make the application for the project.

- a) Application may be made by a single entity or a group of entities (Consortium or JV) comprising up to three different companies/parties including a lead member, coming together to implement the project.
- b) A consortium/JV may fulfil the pre-qualifying criteria in a joint /cumulative manner, except for the number of years of work experience.
- c) A non-refundable fee of **NPR150,000** shall be payable for each application (**As per PPIA, 2077, Clause 17 (3)**) at the time of making the application. Any application submitted without the proof of payment of the fee will be considered non-compliant.
- d) The fee must be paid to AEPC (to the AEPC office or a dedicated desk at the Nepal Investment Summit) or by electronic transfer to the following bank account of OIBN:

Office code: **308003502**

Office Name: **Alternative Energy Promotion Centre**

Revenue Heading: **14229**

Bank Name: **Rastriya Banijya Bank, Baneshwor Branch, Nepal**

Swift Code: **RBBANPKA**

- e) Please use "Company name\_Project name" as the reference code for the payment made in the case of the online payment.
- f) After payment of the fee is made, the AEPC shall assign a focal person and may provide additional documents or information relevant to the project (if available).
- g) Applicants should submit the EOI with all required documents online by: 29th May 2024, before 12:00 Noon (Nepal Standard Time).
- h) AEPC shall review the proposal and ask additional information if required.

**Note:** If the corruption case is being filed to Court against the Natural Person or Board of Director of the firm/institution /company or any partner of JV, such Natural Person or Board of Director of the firm/institution /company or any partner of JV such consultant's proposal shall be excluded during the evaluation.



## CHECKLIST

Clause 17 of the PPPIR 2077 mentions that the interested investor shall acquire the request for expression of interest from the concerned agency or website and submit the documents as 7 mentioned in the request for proposal document. Following documents and information must be submitted while submitting the EoI.

1. Notarized copy/ies of VAT/PAN registration certificate (for national developer) and official company registration certificate (for international developer).
2. Detailed profile of the developers/investors, including profile of senior management team, and annual report audited financial statements for at least past three years, latest tax clearance certificate.
3. Where the interested party is considering potential consortium partners, an indication of such intention and details of potential consortium partners (to the extent known). The interested party should clearly state the role of the consortium members and detail the scope they would intend to deliver, for example, design services, construction and commissioning services, facilities management services.
4. Evidence of power of attorney.
5. Project concept, plan, and information on financial, economic, social, technical, and environmental feasibility.
6. Method of project implementation, project development modality and work schedule.
7. Business plan with basic financial statements
8. Financial arrangement and source of investment
9. Self-declaration letter on validity and accuracy of the projects and details submitted and against corruption charges
10. Expected support from GoN, if any.
11. All the documents need to be properly signed and stamped.
12. Other relevant information, if any.



Attachment-1

A handwritten signature in black ink, appearing to be 'NPM'.



## Project Information:

<b>Project Location</b>	Lamki Chuha Municipality of Kailali District, Sudurpaschim Province (Latitude and Longitude 28°38'5.05" N, 81°16'19.37" E)
<b>Project Capacity</b>	10 MWac
<b>Transmission Line</b>	12 KM
<b>Transformer</b>	5 units of 2.5 MVA
<b>Wind Turbine</b>	5 units of 2000 kW
<b>Turbine Specifications</b>	
<b>Rated Power</b>	2000 kW
<b>Rated Wind Speed</b>	10.5 m/s
<b>Cut-in Wind Speed</b>	3.0 m/s
<b>Cut-out Wind Speed</b>	25.0 m/s
<b>Rotor Diameter</b>	93.4 m
<b>Blade Length</b>	46.7 m
<b>WEC Concept</b>	Gearless, variable speed
<b>Capacity Utilization Factor (CUF):</b>	<b>25.02 %</b>
<b>Annual Energy Generation:</b>	<b>21,918 MWh</b>

