



ENERGY MANAGEMENT CENTRE -KERALA

Department of Power, Government of Kerala

Thiruvananthapuram, Kerala – 695 017;

www.keralaenergy.gov.in

CALL FOR EXPRESSION OF INTEREST (EOI) FOR POTENTIAL STUDY & PILOT DEMONSTRATION OF Pico/MICRO HYDRO/MICRO WIND/HYBRID POWER PROJECTS

Ref. No.: EMC/416/2021-ETB-5/EOI-1

Date of Publishing	: -	14th September 2021
Online Pre-submission meeting	: -	23rd September 2021
Initial date for submission of online application*	: -	15th October 2021
Short listing & empanelment* (Continuing process)	: -	15th working day of every month from October 2021 onwards

*The EOI is open for application for indefinite period starting the date of publishing. The shortlisting will be carried out on every 15th of the month or next working day as the case may be. Every month, the cutoff date for shortlisting will be considered as first day of the same month.

PROCEDURE AND GUIDELINES OF THE EXPRESSION OF INTEREST FOR:

1. Potential Study and Pilot Installation of Pico/Micro–Hydro /Micro Wind/ Hybrid Power Projects with a capacity ranging at 1-50 kW in suitable locations in Kerala on RESCO/ EPC Mode.
2. Phased manner replication in potential sites in the state, as a JV partner in a SPV formed for this purpose or other mutually agreed and accepted mode.

A. INTRODUCTION

1. Background

Purported to have a huge hydropower potential from available water resources, Kerala has so far harnessed only 2130 MW of it, with total installed capacity inclusive of all sources is amounting to 2831 MW. This installed capacity is almost 30% below the maximum peak demand of 4316 MW recorded in April 2019. The state is dependent on external sources for more than 70% of its energy requirements while future projections indicate an increase in energy demand by about 58% in 5 years.

Government is keen in addressing this challenge by supplementing the renewable power sources with power from all possible sources including micro hydel, wind and hybrid power potentials available in Kerala state.

2. About EMC

Energy Management Centre – Kerala (EMC) was established by Kerala Government, aiming primarily to remould and instrumentalise energy sector as a catalyst in promoting a development process which is ecologically sustainable.

With a view to making energy sector achieve such a lead and catalytic role, EMC has evolved a novel and comprehensive energy management approach and institutional philosophy encompassing management of energy technology systems – both conventional and non-conventional, energy conservation in all sectors of the economy, energy resource management, rural and urban energy systems, energy education and training, energy generation and conservation-based employment and poverty alleviation programmes. The Small Hydro Promotion Cell, functioning in EMC under the Chairmanship of the Principal Secretary (Power), Govt. of Kerala scrutinizes and recommend for issuing technical clearance for the small/mini/micro hydel projects in the state.

EMC is also the State Designated Agency (SDA) of Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India to coordinate, enforce and implement Energy Conservation Act-2001 (Central Act 52 of 2002) in Kerala. EMC is working towards attaining energy efficiency in all sectors of economy.

3. Role of Kerala State Electricity Board Ltd (KSEBL)

KSEBL, the state-owned utility purchase renewable power, as part of its RPO requirements. The power procured regularly from Wind, Solar and Hybrid power projects at very competitive rates as approved by the Kerala State Electricity Regulatory Commission to meet their energy demands. It may be noted that the response of the State to renewable energy generators has been overwhelming and all the power offered for sale has been purchased. We expect the same trend to continue in the future.

4. Object of this Call for Expression of interest (EoI) for demonstration of technologies

4.1. Project Objectives

With this Call for Expression of Interest, Energy Management Centre-Kerala (EMC), Department of Power, Government of Kerala invites the project stakeholders to submit descriptions of their project technologies/ideas according to the fields as presented in the following paragraph 5.1. All project ideas will be screened and assessed from the viewpoint of feasibility and large-scale replicability with a Kerala state context. Among the proposed ideas, only projects with high feasibility may be selected as per decision of EMC or Govt. of Kerala.

4.2. Source of Funds

For co-financing development of the projects, the State Government of Kerala may provide funding, along with a possible grant from other sources including Ministry of New & Renewable Energy, Government of India.

5. Scope of the Activities and Estimated Contract Value/co-financing

5.1. Eligible project types

Before going in for implementation of the project in large scale a pilot installation of following projects with the installed capacity ranging anywhere between 1kW to 50 kW, both inclusive, shall be done and the techno-commercial feasibility shall be analysed.

Projects that fall under the following sectors may be eligible to be considered for pilot implementation/demonstration:

i. Pico/Micro Hydropower Plants

ii. Pico/Micro/Small Wind Power Plants

iii. Hybrid Renewable Energy Plants

For all the above plants, it is mandatory that:

- 1) Each submitted project proposal must fall under one of the sector categories listed above.
- 2) The applicant has already have developed model projects successfully with at least 1 year of continuous certified data is available.
- 3) The proposals can be demonstrated in Kerala state within a period of 6 months from the date of issuing contracts.

Accordingly, EMC now invites Expression of Interest from the interested OEMs, Innovators and technologists with capability to develop such Projects/technologies.

The bidders for this EoI are provided with an opportunity to apply for one or more pilot implementation with installed capacity from 1 kW to 50 kW on a RESCO/EPC mode implementation or other mutually agreed and accepted mode of implementation.

Based on the outcome of the pilot project, successful bidder, may be invited to submit proposal for entering into a Joint Venture with an identified organisation in Kerala, like the EMC, for creating a Special Purpose Vehicle for large scale replication of this model in the entire State, on a phased manner.

5.2.Estimated Contract Value/co-financing

The value of the contract/co-financing to be awarded will not exceed the total admissible costs as reported in para 5.3.

The above-mentioned value of the contract/co-financing to be awarded will not exceed the amount of INR 200,000.00 (Rupees Two Lakhs only), GST and all other local taxes excluded, per each kW and, in any case, will be awarded according to the financial resources available. The applicable GST and all other local taxes corresponding to the value of the contract/co-financing to be awarded will be further reimbursed by EMC/Govt. of Kerala.

5.3.Admissible costs

The applicants shall submit the breakup of the various indicative costs involved in the implementation. The amount of the contract value/co-financing will be determined considering the various cost which may include but not limited to the following (GST and all other local taxes excluded).

- Feasibility studies that are strictly necessary for the designing and execution of the intervention;
- Designing of the project;
- Supply of materials and technological components that are strictly necessary for the execution of the intervention;
- Execution of the intervention and installation of technologies including start-up testing and commissioning;
- Civil works strictly necessary for the execution of the intervention
- Where applicable, costs related to the plant's connection to the grid or to electricity end-user;

- Travel costs (personnel) and costs related to technology supply (e.g., shipment, freight, etc.)
- Costs related to the implementation of the project and the validation and handing over the project.

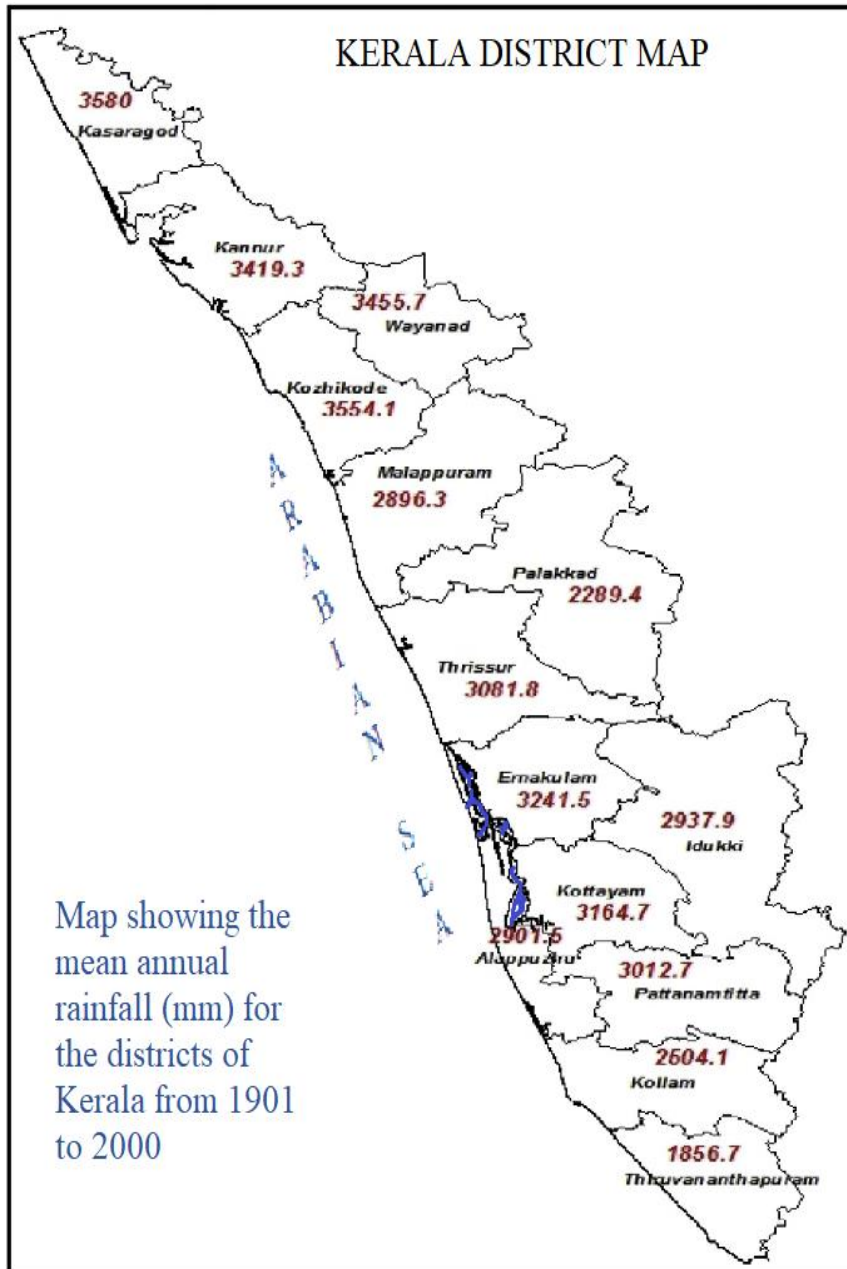
B. INFORMATION TO BIDDERS

6. Description of State

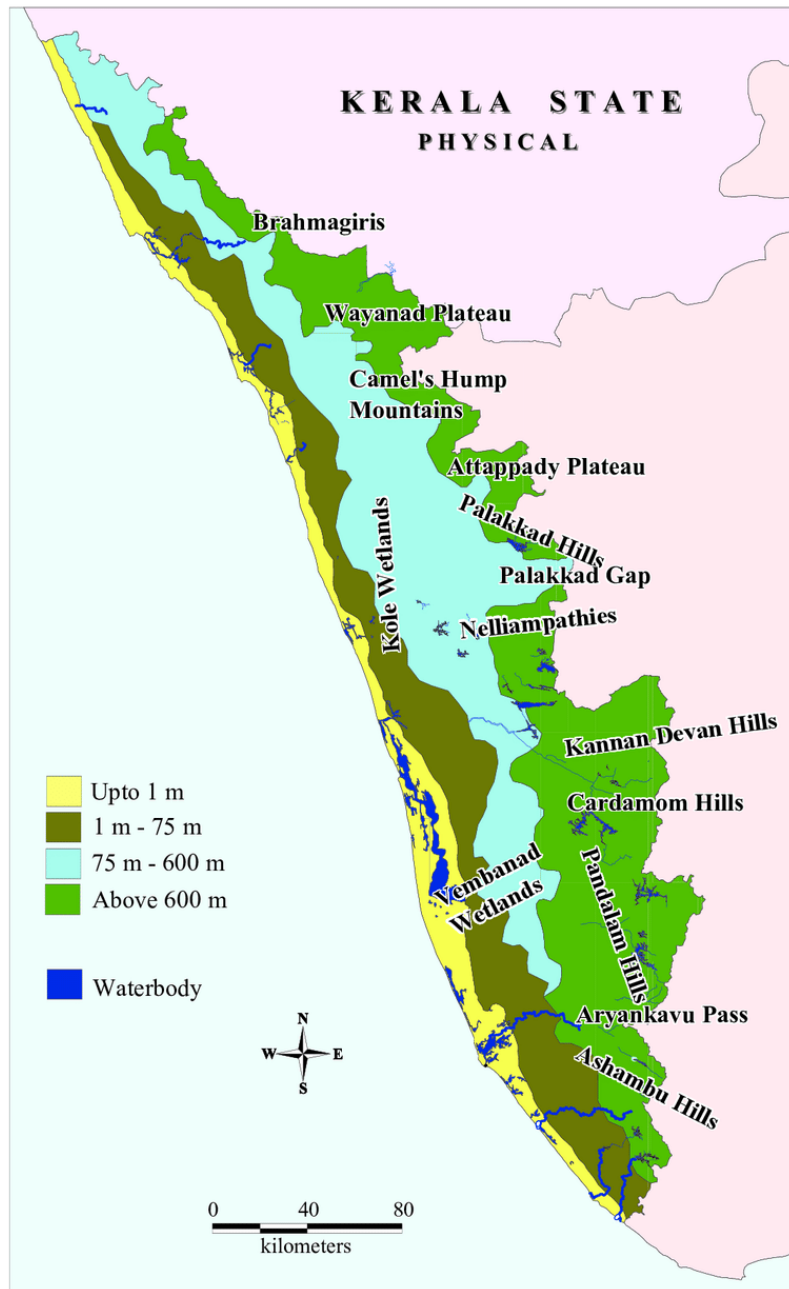
Kerala is one of the states located in the southern part of the Republic of India. It occupies a narrow strip of land between the Arabian Sea providing long costal line of over 600 km in the West and the Western Ghats in the East stretching over entire length of the State.

Kerala is gifted with appreciable fresh water resources owing to it geographical location, seasons, environment and 44 rivers out of which 41 rivers flowing westwards and 3 flow eastwards. Kerala experiences rainfall for nearly nine months in a year. The fluctuations in annual rainfall of the State are much less than for other parts of Indian sub-continent. The mean annual rainfall for Kerala State is nearly 3000 mm which is more than that for any other States in India. The major part of the rainfall is received during the southwest monsoon months (June-September)

The meteorology of Kerala is profoundly influenced by its geographical features. From the low-lands adjoining the western sea-board, the landscape ascends steadily towards the east to the mid-lands and further on to the high-lands sloping down from the Western Ghats. The mountain ranges having an average elevation of about 1 km with peaks rising to over 2 km. form a natural wall separating Kerala from the adjoining States.



Availability of long coastal line along with Ghats regions also provide ample opportunity for wind power generation. Out of 21 identified potential wind sites, 16 were found to have a mean annual wind power density of more than 150 watts/meter square (or the wind speed is above 15 km/hr) and so were identified as wind potential areas. The total technically feasible wind potential of the state is estimated at around 605 MW, assuming 20 per cent grid penetration, limited to 16 potential locations. However, there is much higher potential including that for the building-integrated micro-wind turbines is one of the potentially low-cost renewable sources of energy and direct mechanical application of wind energy. where the average wind speed required is about 10 km/hr only.



C. QUALIFICATION & SELECTION OF PARTICIPANTS

Sl No#	7. Qualification Criteria for Project Consultancy		
	a. Prequalification (weightage - 10%)		
	Criteria	Proofs to be produced	Max. Marks
a.1	<p>This call for Expression of Interest is open to Individual companies and/or Join venture/consortium companies Bidders from outside of India may participate in this call for EoI either through a consortium with an Indian firm (with the Indian participant meeting the qualification requirements other than technical qualifications). In such collaborations, Indian counterpart should have at least 10% stake in the JV.</p> <p>The agency should have been in the business of providing technological Services in India for a period of at least one or more years as on 31.08.2021.</p> <p>Foreign Consortium/Joint venture with Indian research/ technical institutions, eligible recognised Non-Government Organisation in India and Professional associations are also acceptable for which equity partnership is not mandatory for Indian counterpart.</p> <p>Joint ventures shall be between Indian firms or between Indian and companies from other countries which are approved for Trade by Union Ministry for External Affairs.</p> <p>The firm or consortium should have proven track record in consultancy/implementation/ research for micro/mini/small hydropower or other renewable energy projects.</p>	<ul style="list-style-type: none"> ○ Proof of legal existence and/or Company incorporation Certificate ○ Authorization (e.g., Power of Attorney) to execute in the name and on behalf of the Applicant/s all the necessary matters related to the pilot projects in Kerala 	20
a.2	<p>Total turn over the bidder shall be more than Rs. 30 Lakhs in the last three years for Indian companies and 1 million USD for foreign companies. The agency should be a dedicated technology company with dependable credentials and service history in renewable energy field. For agencies with multiple service verticals, at least 10% of their total turnover should be from renewable energy projects.</p>	<ul style="list-style-type: none"> ○ MoA of the company ○ Audited Balance Sheet and P&L for the relevant financial years and unaudited Balance Sheet and P&L for 2020-21 	10
a.3	<p>The applicants shall have manufacturing facilities and office in India. In case of international tie-ups, the consortium shall have at least facility for assembly units of proposed technology in India along with its spare parts availability and a team of expert professionals to manage it.</p>	<ul style="list-style-type: none"> ○ Documents to establish company's presence in India; such as lease deed or office ownership documents Proof/Details of company's infrastructure - may be subjected to verification. 	20

a.4	The core team designated for this assignment by the agency should have ample academic qualifications and practical expertise in the areas of micro hydropower projects/wind power/renewable energy with proven track record.	<ul style="list-style-type: none"> ○ Detailed statement of the experience and qualifications of the Applicant providing information on: specific experience in the construction of renewable energy (hydro, wind, Hybrid) plants ○ Credentials of team of professionals to be self-attested. 	20
a.5	<p>Convincing proposal to implement one or more pilot implementation of projects as mentioned in paragraph 5.1 above, up to a capacity of 50 kW on RESCO mode through a PPA or in EPC mode with obligation to carryout Annual maintenance contract during this period.</p> <p>The proposal shall include estimated project cost either on RESCO route EPC or other valid and acceptable public procurement mode.</p> <p>The amount quoted by the bidders shall be inclusive of all taxes and shall remain firm during the period of contract and shall not be varied or adjusted on whatsoever reason on any account.</p> <p>Bidders showing interest shall need not furnish any Earnest Money Deposit/Bid Security, rather they have to provide a Bid Security Declaration in the format at Annexure -3. However, to ensure the performance of any future contract, the successful bidder to whom the contract may be awarded shall have to furnish Performance Security to the tune of three percentage (3%) of the value of the contract within 15 days from the date of award of contract for pilot project implementation.</p>	<ul style="list-style-type: none"> ○ A detailed description of the studies and analysis (eg. wind data collection, etc.) carried out with the purpose to implement the proposed project in particular: ○ Bid Security Declaration in prescribed format 	20
a.6	Willingness and capability to enter a JV for implementation of Renewable projects in Kerala on RESCO mode through a PPA on in EPC mode or in any other mutually agreeable mode in future, with obligation to carryout Annual maintenance contract during this period.	Self-Declaration of willingness.	10
b. Technical (weightage - 60%)			
b.1	Details on the technology - Advantages and disadvantages of technology, basic mathematical and graphical representation on the technology employed along with underlying technical considerations. Work plan and methodology statement will have 5 marks.	To be provided in details with supporting brochures, documents, test certificates, etc	25
b.2	Provision of details on successful operation for more than 1 year elsewhere with all specific details as required in Annexure 5 (5 marks) Every additional year up to 6 years will fetch 5 marks each. Max marks will be 30.	Proof of implementation with client satisfaction certificate. Client contact details to be provided	30
b.3	Range and variability, Minimum demonstrable	Provide supporting data	15

	capacity and standard module capacity.		
b.4	For hydropower and wind plants whether to have a description of the hydrological or wind speed measurements already carried out at the project's site, specifying the duration, the instruments used (es. anemometer), the achieved qualitative results, etc.	Provide supporting data	10
b.5	Technological risks associated with the quality of renewable energy equipment and products, availability of resource data, error margin in the data, and availability of data in plant load factors or plant efficiency.	Provide supporting data	20
c. Financial (Weightage 30%)			
c.1	The bidder shall quote (a) the total amount for (a) the power potential assessment and (b) the total amount inclusive of all as per paragraph 5.3, for installing <ul style="list-style-type: none"> one 1kW pilot plant 		25
c.2	<ul style="list-style-type: none"> one 10kW pilot plant 		25
c.3	<ul style="list-style-type: none"> one 50kW pilot plant 		25
c.4	<ul style="list-style-type: none"> one at standard module capacity as per details provided by you. 		25

On submittal documents, the above serial number of qualification criteria shall be clearly marked while submitting it as per Para 7 and the submission must be in that order for effective evaluations.

Bidders scoring at least 70% marks as per above marking scheme will be shortlisted. Quality and Cost Based Selection (QCBS) method will be used for ranking of bidders and selection of winning bid.

Under QCBS selection, preliminary qualification data will have 10% (Ten Percent) weightage. the technical proposals will be allotted weightage of 60% (Sixty per cent) while the financial proposals will be allotted weightages of 30% (Thirty per cent).

The proposal obtaining the highest total combined score will be ranked as H-1 followed by the proposals securing lesser marks as H-2, H-3 etc. Since the shortlisting is planned to be a continuing process considering possibilities of identification of newer technologies, this shortlist will remain dynamic based on scores received through subsequent proposals past the initial proposal date.

The proposal securing the highest combined marks and ranked H-1 may be invited for negotiations, if required and may be recommended for award of contract, solely at the discretion of EMC. Applicants who are successful in getting short listed by above methodology are not guaranteed be given contract for pilot implementation.

If EMC decides to give a contract, to applicants who are shortlisted based on above method

logy, it will be subject to fulfilment of terms and conditions which may be stipulated based on mutually agreements. On acceptance of terms and conditions and negotiated price, if required, formal award letter will be issued to successful bidder. Since the shortlisting is a dynamic process active on every month, the shortlisting levels may change based on monthly updates. The shortlists will be published in EMC's web site <http://www.keralaenergy.gov.in/>

7. Submission of EOI

Interested agencies are required to submit the response with the complete information in all respects along with enclosed format (Refer Annexure-1).

Following Documents to be submitted along with the EOI (certified copy):

1. Brief write up about the Company/ Promoters/LLP Profile/ Firm/Consortium (In case of consortium, the bidder should submit the consortium Agreement between the consortium partners)
2. A brief statement of proposed plan
3. At least one proof of previous work of similar nature
4. Balance Sheet and Profit & Loss Statement for the Year 2018-19, 2019-20, 2020-21(provisional)
5. Copy of latest GST Return
6. PAN Card Copy
7. Self-Certification stating that the Company/ LLP/Firm or its Subsidiaries / Individual/ Associates are not Debarred / Blacklisted by any Central / State Governments, Government Departments, Government Bodies or PSUs.
8. Certificate from Chartered Accountant showing the Net worth of preceding three financial years.
9. Copy of MOA and AOA/ Partnership deed and certificate of incorporation/ registration in case of firms.
10. The Applicant should submit a Power of Attorney/Board Resolution/notarial document authorizing the signatory of the application to commit the Applicant.
11. Proposal for JV SPV (either to be submitted along with the application or when called for, if selected as the successful bidder)
12. Any other detail which the Applicant Company/ Firms feels relevant in this regard.

Technical Documents (Refer Annexure – 6)

1. The Applicant should submit the proposed project summary where the project activities may be carried out.
2. All relevant technical details pertaining to Small Hydro project for the proposal on new hydro power plant.
3. All relevant technical details pertaining to Wind project for the proposal on new wind power plant.
4. All relevant technical details pertaining to Hybrid project for the proposal on new hybrid power plant.
5. All relevant details about the features of the nearby power grid for power evacuation.
6. The current status of the proposals regarding availability of project idea, any site investigation data, pre-feasibility study, feasibility study, concept design shall be included.
7. The information regarding permits and licenses, if any which may be required while implementation of the project.
8. A brief summary of the financial features of the proposal/technology referring to relevant economic indicators.

8. Expression of Interest - Currencies

The costs shall be quoted in Indian Rupees.

9. Period of Validity of Expressions of Interest

Expressions of Interest shall remain valid for the period of 180 (One Hundred and Eighty) days after the date of Expression of Interest opening date of the EoI. Since the Call is open for infinite time period as of date, applicants can submit proposals in subsequent months also. For every subsequent instance of opening EoIs, it will happen every month on same specific date.

In exceptional circumstances, prior to the expiry of the original Expression of Interest validity period, the EMC may request the Applicant's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

Prospective parties may submit their 'Expression of Interest' duly signed by the authorized signatory along with relevant details as sought in the data sheets latest by Date of initial submission, 15-10-2021 or till 15:30 hrs of first working date of subsequent months in a sealed cover superscribing "Expression of Interest for Innovative RE Technologies", or through email to emck@keralaenergy.gov.in, with the same as the subject line. The EoI shall be made for the following as the case may suit.

- 1. Potential Study and Pilot Installation of pico/micro–Hydro /Micro wind/ hybrid Power Projects with a capacity ranging at 1-50 kW in suitable locations in Kerala on RESCO/ EPC Mode**
- 2. Phased manner replication in potential sites in the State, as a JV partner in a SPV formed for this purpose or other mutually agreed and accepted mode.**

To,

The Director,
Energy Management Centre - Kerala
Sreekrishna Nagar, Sreekariyam P O
Thiruvananthapuram - 695017, Kerala
Phone: 0471-2594922, 2594924

For any clarification, prospective parties are requested to contact +919446075212, or Email to emck@keralaenergy.gov.in with copy marked to dinesh@keralaenergy.gov.in

The date of any discussion meeting after receipt of EoIs, will be informed to the respondents by e-mail / through EMC's website, <http://www.keralaenergy.gov.in>.

10. Clarification of Expressions of Interest

- 10.1.** During evaluation of the Expressions of Interest, EMC may, at its discretion, ask the Applicant for a clarification of its Expression of Interest. The request for clarification and the response shall be in writing or through email, and no change in the costs or substance of the Expressions of Interest shall be sought, offered or permitted.

11. Bid Evaluation

A 3-stage selection process will be involved in finalizing and selecting the agency/agencies.

11.1. Preliminary Examination

- 11.1.1.** EMC will review and compare all the Expressions of Interest systematically according to the evaluation procedures, evaluation criteria and evaluation methods stipulated in the Expression of Interest Documents. EMC will examine the Expressions of Interest to determine whether they are complete, whether the Expressions of Interest are generally in order, whether required documents have been furnished, whether the documents have been properly signed, and whether any computational errors have been made.

11.1.2. The EMC may waive any minor informality, nonconformity, or irregularity in an Expression of Interest, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any applicant.

11.1.3. Prior to the detailed evaluation, pursuant to Para 7, EMC will determine the substantial responsiveness of each Expression of Interest. For purposes of this, a substantially responsive Expression of Interest is one which conforms to all the terms and conditions of the Expression of Interest documents without material deviations.

11.1.4. If an Expression of Interest is not substantially responsive, it will be rejected and may not subsequently be made responsive by the Applicant having corrected or withdrawn the non-conforming deviation or reservation. The bid will be rejected as non-responsive, if it is found having any of the following:

- The Applicant does not fulfil all the eligibility criteria (as per paragraph 7);
- The Applicant's participation in the Expression of Interest is out of his licensed business scope;
- Submission of Administrative Documents is not complete or false information or data is provided;
- The Expression of Interest has not been signed by the Applicant's Legal Person (or representative) or by the person or persons with a Power of Attorney issued by the said Legal Person (or representative).

12. Other conditions

Prospective respondent (Applicants) to this EOI acknowledges and agrees that:

- EMC has issued this document for Expression of Interest with the best intention to explore the market for eligible and interested bidders and has no compulsions to enter into definitive contractual agreements. This EOI does not guarantee conversion of this EOI into any definitive contractual agreements.
- It is also agreed that EMC in its sole discretion, may reject any and all proposals made by respondents, may change the conditions relating to the EOI or cancel this EOI at any time without assigning any reason.
- Prospective respondent(s) acknowledge and agree that response to the EOI

is purely voluntary action on their part and for any expenditure on this account shall be borne by the respondent(s).

- EMC will have the right to award more pilot projects, if different technologies are to be validated.
- EMC will have no obligation or liability to the respondent(s) in the event of cancellation of EOI.

Note: Applicants are requested to keep themselves updated with the website www.keralaenergy.gov.in on regular basis for any addition / deletion / modification / clarification / notification in respect of this, at EOI stage and at bidding stage. No separate notification will be issued in any other media.

D. ANNEXURES TO THE BIDS

Annexure -1 – Prequalification Details of the Applicant

Eligibility Criteria	Supporting Documents (may attach separate sheets)
Evaluation fee	No Fee
The EoI participant could be <ul style="list-style-type: none"> • Indian Company registered under MCA • an organization or a consortium of organizations, in which case one of the consortium members should be Indian Company (Max one Partner) 	Copy of address Proof / Certificate of Registration/ identity proof to be submitted
The financial status of the Partner	Certificate by the Chartered Accountant with Licence No. and Seal. in case of individual may come up with an innovative solution this is not applicable.
Domain Expertise	A short note on the domain expertise to be submitted
Participant should not be blacklisted by any department of agency of the Government as on the date of submission of EOI. In case of consortium this criterion should be fulfilled by all members of the consortium.	Undertaking by the Authorized Signatory to this effect
Financial Criteria	Turnover of consortium members should not be less than that specified in para 7 for any of the last 3 financial year
Financial Expertise	Should be experienced in handling documents to be submitted to Financial Institutions and International development agencies. Experience of working with development agencies such as ADB, World Bank, African Development Bank, DID, GIZ, KFW will be considered with added merits
Government Companies	Experience of having worked with Government bodies or Government companies, specifically for renewable energy assignments, if any
Man Power	Proposer should have at least 3 experts having more than 7 years domain expertise in Renewable energy industry in India or abroad

Annexure – 2 - FINANCIAL IDENTIFICATION FORM

ACCOUNT HOLDER			
NAME			
ADDRESS			
TOWN/CITY		POSTCODE	
COUNTRY			
GST/VAT No.		PAN (for Indian)	
CONTACT PERSON			
TELEPHONE		FAX	
E-MAIL			

(to *be filled out by the lead Applicant*)

BANK																													
BANK NAME																													
BRANCH ADDRESS																													
TOWN/CITY																													
										Postal Code																			
COUNTRY																													
ACCOUNT NUMBER																													
IFSC/SWIFT/BIC/IBAN																													
REMARKS																													
BANK STAMP + SIGNATURE OF BANK REPRESENTATIVE. (Both Obligatory)												DATE + SIGNATURE OF ACCOUNT HOLDER: (Obligatory)																	

Annexure – 3- BID SECURING DECLARATION

To

Director, EMC

Sir,

I/We, the undersigned, declare that:

- i. I/We have read the conditions of the Call for EoI and am/are agreeing to it.
- ii. I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.
- iii. I/We accept that I/We may be disqualified from bidding for any contract with you if I am /We are in a breach of any obligation under conditions of the call for Call for EoI because if notified of the acceptance of our Bid by EMC during the period of bid validity and (i) fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with allotment of work, if any.
- iv. I/We understand that this call for Call for EoI is a continuing process opened for updating every month on the specific date as mentioned in the EoI and the shortlisting of my/our offer may not remain firm.
- v. I/We understand that being shortlisted does not entitle us to be given an award of contract.

(Signature of person whose name and capacity are shown) in
the capacity of (insert legal capacity of person signing the Bid
Securing Declaration)

Name: (insert complete name of person signing)

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder) Dated on _____ day of (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid, valid Digital signature shall be accepted.)

Annexure 5: Implemented Project Information Sheet

Project Title	Country/Project Location	Project Duration (from month/year to month/year)	Sources of funding	Short description of the project	Role performed in project development and/or implementation

The completed project details shall be submitted using this Implemented Project Information Sheet. The guidelines how to complete the different sections are included in the document and written in *Italic letters*.

Project type:

(Project name should briefly describe the project idea, e.g., in case of the project activity related to micro hydro power plant, the project name should be: Installation of Hydropower Plant ,, name of the location “)

Project proposal submitted for:

Company name:

Company type: ☐ Private company - Large

☐ Private company - SME

☐ Public company

☐ Other (specify)

(Mark the option)

Company's core business:

Company contact information:

Contact person:

Address:

Phone:

Fax:

(The main contact information: address, telephone and fax number, e-mail, as well as the contact person in charge of the correspondence should be listed)

Project location

City/village:

State/Province:

Country:

GIS coordinates:

Annexure – 6 - Proposed Project Summary

This section should include information about the location where the project activities will be carried out. *Project Summary should contain detailed description of the project activity, with the reference to the following elements, for:*

- * Expected Generation Cost
- * Expected PPA/Tariff
- * Timeline for Plant Execution
- * Nature of plant (Type of power plant)
- * PLF Details
- * Land requirement
- * Grid requirements
- * Environmental Impact, etc

Small-Hydropower projects - construction of the new hydro power plant:

Installed capacity in kW; annual production statistics (electricity generation in kWh in full scale operation); site information; stream flow measurements (hydrographs); electrification status of the vicinity; estimated greenhouse gasses emissions reduction; all other relevant information, such as reference to existing hydrology, geology and seismicity reports, the level of site survey and investigation, how the project implementation will contribute to the sustainable development goal of the country, etc

Wind projects:

Site information (total site size, turbine size, annual mean wind speed); installed capacity in MW; expected annual electricity generation in kWh in full scale operation; electrification status of the vicinity; estimated greenhouse gasses emissions reductions. Give the information on wind speed measurement (its status), the ownership of the land where the towers were installed or where the towers for measurement have been installed, etc.

Hybrid projects:

Site information (total site size, turbine size/ panel size, annual mean characteristic potential); installed capacity in kW; expected annual electricity generation in kWh in full scale operation; electrification status of the vicinity; estimated greenhouse gasses emissions reductions. Give the information on wind speed measurement (its status), the ownership of the land where the project was installed or facility for measurement has been installed, etc.

Power Grid features

Applicant will provide detailed information about the nearby power grid, the distance from it and a description of the connection works and costs.

In case of rehabilitation or upgrading of hydropower plants, the status of the plant connection to the grid will be indicated. If the plant is not grid-connected, the Applicant will describe the connection works and costs.

Current project status

Consider the following specifications of the project status: site investigation, project idea, pre-feasibility study, feasibility study concept design, general project, under implementation etc. Give the detailed description.

It is important to have a clear idea about the current status of the proposed project, i.e., whether the proposed activity is just an idea or there is completed pre-feasibility study or feasibility study in place.

For hydropower and wind plants it is important to have a description of the hydrological or wind speed measurements already carried out at the project's site, specifying the duration, the instruments used (es. anemometer), the achieved qualitative results, etc.

Permits and Licenses required

In this section the Applicant will describe permits and licences necessary for the execution of the intervention, including information on the ownership of the lands and the permits and licences that may be necessary for the plants' connection to the power grid. The Applicant will clearly state the status of construction permits and/or other licences acquisition.

Brief Summary of financial features of the project

Give the detailed information on the total investment costs and funding, referring to the main economic indicators: IRR, NPV, Cash Flow (related to the project lifetime). Provide the results of sensitivity analysis, if any. IRR, NPV, Cash Flow, and other economic indicators, will be determined for the scenarios with and without co-financing.

The Applicant will also describe the project financing scheme and the source of the necessary funds.

Expected project start-up date:

Expected project lifetime:

Note (if any):