INVITATION FOR EXPRESSIONS OF INTEREST (EOI)

SUPPLY OF SUPPLEMENTARY ELECTRICAL POWER (ENERGY ONLY) FROM THERMAL / RENEWABLE ENERGY SOURCES DURING THE PEAK HOURS (DAILY FROM 18:00 Hrs. TO 22:00 Hrs.)

REFERENCE NO. : AGM(TR)/DGM(EPT)/EOI/2021/001

ENERGY PURCHASES BRANCH
CEYLON ELECTRICITY BOARD
SIXTH FLOOR
NO. 50, SIR CHITTAMPALAM A. GARDINER MAWATHA
COLOMBO 00200.

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1.1 Introduction

Ceylon Electricity Board (CEB) is a body corporate established by the Act No.17 of 1969, having its head office at No. 50, Sir Chittampalam A. Gardiner Mawatha, Colombo 2, Sri Lanka.

CEB was established by GOSL for development and coordination of generation, transmission, and distribution of electrical energy in the country. The Ministry of Power is the government entity overseeing the activities of CEB.

1.2 Scope of the Proposal

Expression of Interest (EOI) are invited from prospective project proponents to identify the availability of standby electrical generating sources in the country for supply of supplementary electrical power (energy only) from thermal and/or renewable energy sources during the peak hours (daily from 18:00 Hrs. to 22:00 Hrs.) when there is a shortage of generation capacity in the national grid. It is envisaged to invite feasible technical proposals to supply energy from January 2022 to December 2023 until major power plants are added to the system.

The main objective of this endeavor is to identify the availability of standby electrical generating sources in the country and ability to use them as back up sources to meet the night peak when there is a shortage of energy / generating capacity in the system. In addition, those developers who can supply renewable energy as firm power are also a targeted group. These power plants will be operated on dispatchable basis and payments will be made for the actual energy dispatched on the instructions of System Control Centre of CEB.

The source of energy shall be either thermal or renewable (firm) which can be dispatched to the national grid whenever requested by the CEB daily from 18:00 Hrs. to 22:00 Hrs. The technology employed shall be feasible, reliable and proven for generating electrical power. The proposed energy source can be an existing power plant or a new proposal. However, the existing power plants which are already connected to the national grid and are operated under a power purchase agreement (PPA) with CEB, are not eligible under this scheme.

The basic technical specifications of the power plant such as capacity, technology and interconnection point etc. shall be specified in the prescribed format given under section 1.4. However, the limitations of the specifications are as mentioned in the section 1.8.

The project proponents in Government sector or private sector (local) who are registered in Sri Lanka are allowed to submit the proposals. One project proponent can submit any number of proposals. The proposals will be evaluated separately and only the proven technologies will be qualified.

Based on the final outcome of evaluation as per section 1.7, CEB intends to short list the least cost, technically feasible project proposals and invite detailed project proposals from the respective project proponent for a restricted competitive bidding process. The sealing price for this bidding shall be derived from the prices of short listed project proposals. Finally, CEB will

sign Power Purchase Agreement (PPA) with project proponents who will be selected through this bidding process.

1.3 The Responsibilities of the Project Proponent

The project proponent shall solely be responsible for the design, construction, commission, operation and maintenance of the power plant. In addition, the supply of fuel oil or any other energy resources required to operate the facility and water supply; liquid and solid waste disposal systems; environmental impact mitigatory measures; step up transformers; switchgear; control and protection systems; connection up to the interconnection point and all other appurtenant equipment shall be supplied and maintained by the project proponent.

The project proponent is also responsible for the total development of transmission line up to the interconnection point identified in the CEB grid. CEB will supply and install the standard metering equipment at the project proponent's cost. The metering equipment are allowed to install only at the power plant premises or at the respective CEB grid substations.

The project proponent shall obtain and remain in compliance with all governmental and other approvals, licenses, permits, and certificates necessary for the construction and operation of the power plant; specifically, the conducting of Environmental Impact Assessment (EIA) or Initial Environmental Examination (IEE) as applicable in terms of the National Environmental (Amended) Act, No. 47 of 1980 and any amendments thereto, and such other relevant acts and provincial statutes.

1.4 The Proposal

The proposal shall comprise of two envelopes, submitted simultaneously, one called 'Technical Proposal' and other called 'Price Proposal' and both envelopes enclosed together in an outer single envelop. Project proponents shall submit their proposal in hard copies as two separate packages, i.e. 'The original' and 'The Copy' as follows;

i) The Original : one original each from the 'Technical Proposal' and 'Price Proposal' (each envelop clearly marked as 'Original'); and

ii) The Copy : one copy each from the 'Technical Proposal' and 'Price Proposal' (each envelop clearly marked as 'Copy');

Accordingly, the proposal, comprising both 'Technical Proposal' and 'Price Proposal', shall be delivered in two sealed packages labelled in bold letters as the 'The Original' and 'The Copy'.

Envelop 1 - Technical Proposal

The Technical Proposals shall include the following basic information.

1. Description of the company and its current business, experience in setting up of plants of similar nature and capacity in the past;
2. Creditworthiness / profitability of the company (provide details of yearly turnover and profit for the last 3 years with supporting documents);
3. Proposed locations, schematic/layout diagrams of plant, size and specifications of units, details of effluent management, fuel logistics, etc.
4. Type of fuel and daily quantity proposed to be used, availability of fuel, supply linkages proposed to be employed for the project, landed cost of fuel, etc.
5. Proof of availability of project proponents' equity, copy of sanction letter for term loan and appraisal note from financial institutions (if already sanctioned), or a letter from financial institutions stating their willingness to sanction term loan for the project;

6. Action plan for project implementation, time schedule, etc.
7. Anticipated social and environmental impacts in the area and estimation of gas and other hazardous emissions and details of reduction measures; and
8. Economic/financial viability of the proposed project;

Please use the following format for submitting required information.

A	**General Information**	
A1	Name of the Project/Power Plant	
A2	Project/Plant Location	
A3	Name & Designation of the Applicant	
A4	Mailing Address	
	Telephone, Fax and Email	
B	**Details of the Proposed Power Generation**	
B1	Installed Capacity of Plant (MW)	
B2	Guaranteed Energy output / day (MWh) (from 18:00 Hrs. to 22:00 Hrs.)	
B3	Technology (thermal, solar + battery, solar + thermal + battery, battery power etc.)	
B4	Fuel Type (if energy source is fuel)	
B5	Interconnection Point	
B6	Interconnection Voltage	
B7	Time taken to synchronize the plant after receiving CEB dispatch instruction	
B8	Time taken to achieve full load after synchronization	
B9	Expected number of days for commercial operation since signing of contract	
C	**Indicative Breakup of the Project Cost**	
C1	Monthly Working capital required for operate the power plant (for fuel etc.)	
C2	Is proposed power plant is new power plant (Yes/No)	
	If Yes Then,	
C3	Cost of the proposed Plant	
C4	Means of Finance	
C5	Equity	
C6	Term Loan	
C7	Any other source	
C8	Name and address of financial institution approached	
C9	Conditions of the loan agreed	
D	**Any Other Relevant Information**	

Envelop 2 - Financial proposal

E1	Selling Price (LKR/kWh) (from 18:00 Hrs. to 22:00 Hrs.)	

1.5 Closing Date and Time

The deadline for the submission of proposals is July 29**,** 2021 at 10:00 Hrs. Proposals received after this time shall not be accepted, regardless of the reasons for late submission, including circumstances outside the control of the project proponent.

1.6 The Place of Submission of Proposals

The proposal shall be delivered to the following address on or before the closing time specified in Section 1.5 above. The '**Reference No.**' and the '**Title of the EOI**' shall be clearly marked at the top-left hand corner of each envelope. Proposals can be sent by registered post, courier or submitted in person.

Chairman (CEB)
C/o Energy Purchases Branch
Ceylon Electricity Board
Sixth Floor
No. 50, Sir Chittampalam A. Gardiner Mawatha
Colombo 00200.

1.7 Evaluation of the Proposals

The objective of this endeavor is to identify the availability of standby electrical generating sources in the country and ability to use them as back up sources to meet the night peak when there is a shortage of energy / generating capacity in the system.

1.7.1 Evaluation of the Technical Proposal.

The technical proposals will be evaluated and short listed based on the following criteria.

1. Project proponent's past experience in similar projects
2. Financial strength of the project proponent
3. Feasibility and reliability of proposed technology (whether a proven technology)
4. Financial and technical capability of project proponent to deliver continuous and reliable power supply during peak hours (daily from 06:00 p.m. to 10:00 p.m.)
5. The time taken for implementation of the power plant (in the case of new power plant) or the preparation of existing power plant for on-grid operation.
6. The time taken by the power plant from start up to synchronization as well as from synchronization to achieve full load.
7. CEB may invite further clarifications if required.
8. Based on this evaluation, CEB intends to short list technically feasible project proposals.

At the end of the evaluation of the technical proposal, CEB will invite the project proponents who have been short listed as having submitted technically feasible project proposals and have been determined as qualified to attend opening of the price proposal.

1.7.2 Evaluation of the Price Proposal

All proposals, which have been short listed as having passed the technical evaluation, will be proceeded to the second stage of evaluation, i.e. price evaluation. The following criteria will be considered at the price evaluation.

1. The total cost of delivering an energy unit during the peak hours.

Based on the final outcome this evaluation, technically feasible project proposals with lowest unit costs will be short listed. Subsequently, those short-listed project proponents will be invited to submit a detailed project proposal for a restricted competitive bidding process. The sealing price for this bidding shall be derived from the prices of short-listed project proposals. Finally, CEB will sign Power Purchase Agreement (PPA) with project proponent/s who will be selected through this bidding process.

1.8 Limitations

Compliance with Grid Code	:	The interconnection arrangement and protection schemes proposed for the busbars, transformers, switchgears etc. including fire protection shall be complied with applicable Grid Codes.
Interconnection Voltage	:	415V AC or 33kV AC

Chairman
Ceylon Electricity Board.