

INVITATION FOR EXPRESSIONS OF INTEREST (EOI)

SUPPLY OF SUPPLEMENTARY ELECTRICAL POWER FROM ANY SOURCE TO FULFIL LEAST COST FIRM ENERGY REQUIREMENT

REFERENCE NO. : AGM(TR)/DGM(EPT)/EOI/2023/001

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 and Energy is the government entity overseeing the activities of CEB.

2. Scope of the Proposal

Expression of Interest (EOI) are invited from prospective project proponents to identify the electrical generating sources for supply of supplementary electrical power of 50 MW or above at least cost from any source of firm energy at any preferred location in the country. It is envisaged to invite feasible technical proposals to supply energy for 1, 2 or 3 years and expected to connect to the system as early as possible until major power plants are added to the system.

Objective of this endeavor is to serve the nation with low-cost electricity while maintaining an uninterrupted power supply in the country for 24 hours during any period of the year even in a natural disaster or a technical failure of an existing plant.

These power plants will be operated on dispatchable basis on the instructions of System Control Centre of CEB.

The source of energy shall be any type which can be dispatched to the national grid whenever requested by the CEB. 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 proposal shall consist of the power plant with its grid interconnection (construction of transmission line, substation, etc.). The basic technical specifications of the power plant such as capacity, technology and grid interconnection, etc. shall be specified by the project proponent. CEB will facilitate the technical inspection on the request of project proponent.

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 8, 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.

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; transmission facilities 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 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.

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');

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. Details of grid interconnection including interconnection voltage, length of transmission line, required modifications in grid substation, etc.
5. 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. (if applicable).
6. 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;
7. Action plan for project implementation, time schedule, etc.
8. Anticipated social and environmental impacts in the area and estimation of gas and other hazardous emissions and details of reduction measures; and
9. 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)	
B3	Technology (Thermal, renewable + battery, renewable + thermal + battery, battery power etc.)	
B4	Fuel Type (if energy source is fuel)	
B5	Interconnection Point	
B6	Interconnection Voltage (33kV, 132kV, 220kV)	
B7	Transmission facility requirements (length of transmission line, required switchgears, etc.)	
B8	Time taken to synchronize the plant after receiving CEB dispatch instruction	
B9	Time taken to achieve full load after synchronization	
B10	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	Cost of the interconnection	
C5	Means of Finance	
C6	Equity	
C7	Term Loan	
C8	Any other source	
C9	Name and address of financial institution approached	
C10	Conditions of the loan agreed	
D	Any Other Relevant Information	

Envelop 2 - Financial proposal

E1	Expected financial proposal with breakup (capacity cost, energy cost, etc.)	
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5. Closing Date and Time

The deadline for the submission of proposals is September 07, 2023 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.

6. Request for Clarification & Facilitate Technical Inspection

Proponents desiring any explanations or clarifications regarding this EOI may submit their written requests by facsimile, e-mail or by registered post to:

Deputy General Manager (Energy Purchases)
Ceylon Electricity Board
6th Floor, Head Office
50, Sir Chittampalam A. Gardiner Mawatha
Colombo 00200
Sri Lanka
FAX: +94-11-2344774
E mail: dgmept@ceb.lk

Such requests shall be received no later than five working Days (excluding Saturday, Sunday and Public holidays) before the deadline for submitting Proposals. Replies to such clarification requests will be made available by CEB through email within four working days.

7. The Place of Submission of Proposals

The proposal shall be delivered to the following address on or before the closing time specified in Section 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.

8. Evaluation of the Proposals

The objective of this endeavor is to identify the electrical generating sources for supply of supplementary electrical power of 50 MW or above at least cost from any source of firm energy at any preferred location in the country.

8.1 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.
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. CEB may invite further clarifications if required.
7. 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.

8.2 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.

Based on the final outcome of 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.

Chairman
Ceylon Electricity Board.