



**REQUEST FOR SELECTION (RFS) DOCUMENT
FOR SETTING UP OF 125 MW/ 500 MWH
STANDALONE BATTERY ENERGY STORAGE
SYSTEM IN KERALA WITH VGF
UNDER TARIFF-BASED GLOBAL
COMPETITIVE BIDDING (ESS-3)**

RfS No. SECI/C&P/IPP/15/00018/24-25 dated: 20.12.2024

Tender Search Code on ISN-ETS: SECI -2024-TN000053

***Solar Energy Corporation of India Limited
(A Government of India Enterprise)
6th Floor, Plate-B, NBCC Office Block Tower-2,
East Kidwai Nagar, New Delhi – 110023
Tel: 011 - 24666200, e-mail : contracts@seci.co.in***

DISCLAIMER

1. Though adequate care has been taken while preparing the RfS document, the bidder(s) shall satisfy themselves that the document is complete in all respect. Intimation regarding any discrepancy shall be given by the prospective bidders to the office of SECI immediately. If no intimation is received from any bidder within **20 (Twenty) days from the date of issuance of RfS documents**, it shall be considered that the document is complete in all respect and has been received/ acknowledged by the bidder(s).
2. SECI reserves the right to modify, amend or supplement this document.
3. This RfS document has been prepared in good faith, and on best endeavour basis. Neither SECI nor their employees or advisors make any representation or warranty, express or implied, or accept any responsibility or liability, whatsoever, in respect of any statements or omissions herein, or the accuracy, completeness or reliability of information, and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this document, even if any loss or damage is caused by any act or omission on their part.
4. In case of any discrepancy in the documents uploaded on the websites of SECI, ISN-ETS bidding portal and CPPP, the documents uploaded on the ISN-ETS bidding portal website will prevail.

Place: New Delhi

Date: 20.12.2024

BID INFORMATION SHEET

The brief details of the RfS are as under:

(A)	NAME OF WORK/ BRIEF SCOPE OF WORK/ JOB	<p>1. Selection of Battery Energy Storage System Developers for Setting up of 125 MW/ 500 MWh of Battery Energy Storage System in Kerala with VGF for “on Demand” usage under Tariff-based Competitive Bidding (ESS-3)</p> <p>2. The Project will be set up under “BOO” model.</p>				
(B)	RfS NO. & DATE	SECI/C&P/IPP/15/00018/24-25dated: 20.12.2024				
(C)	TYPE OF BIDDING SYSTEM	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">SINGLE BID SYSTEM</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: center;">TWO BID SYSTEM</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> </tr> </table>	SINGLE BID SYSTEM	<input type="checkbox"/>	TWO BID SYSTEM	<input checked="" type="checkbox"/> Yes
SINGLE BID SYSTEM	<input type="checkbox"/>					
TWO BID SYSTEM	<input checked="" type="checkbox"/> Yes					
(D)	TYPE OF RfS/ TENDER	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">E-TENDER</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td style="text-align: center;">MANUAL</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	E-TENDER	<input checked="" type="checkbox"/> Yes	MANUAL	<input type="checkbox"/>
E-TENDER	<input checked="" type="checkbox"/> Yes					
MANUAL	<input type="checkbox"/>					
(E)	COMPLETION/ CONTRACT PERIOD	As mentioned in RfS Document				
(F)	DOCUMENT FEE/ COST OF RfS DOCUMENT (NON- REFUNDABLE)	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">APPLICABLE</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td style="text-align: center;">NOT APPLICABLE</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> <p>Amount: INR 50,000/- (Indian Rupees Fifty Thousand Only) + GST to be submitted through NEFT/ RTGS transfer in the account of SECI.</p>	APPLICABLE	<input checked="" type="checkbox"/> Yes	NOT APPLICABLE	<input type="checkbox"/>
APPLICABLE	<input checked="" type="checkbox"/> Yes					
NOT APPLICABLE	<input type="checkbox"/>					
(G)	BIDPROCESSING FEE	<table border="1" style="width: 100%;"> <tr> <td style="text-align: center;">APPLICABLE</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Yes</td> </tr> <tr> <td style="text-align: center;">NOT APPLICABLE</td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> <p>Rs. 20,000/MW for the quoted capacity subject to a maximum amount of Rs. 20,00,000 + GST for the response</p>	APPLICABLE	<input checked="" type="checkbox"/> Yes	NOT APPLICABLE	<input type="checkbox"/>
APPLICABLE	<input checked="" type="checkbox"/> Yes					
NOT APPLICABLE	<input type="checkbox"/>					

		to RfS, to be submitted through NEFT/RTGS transfer in the account of SECI, along with the response to RfS.				
(H)	EARNEST MONEY DEPOSIT (EMD)	<table border="1"> <tr> <td>APPLICABLE</td> <td><input type="text" value="Yes"/></td> </tr> <tr> <td>NOT APPLICABLE</td> <td><input type="text"/></td> </tr> </table> <p>Amount: INR 3,41,000/- (Indian Rupees Three Lakh and Forty-one Thousand only) per MWh per Project to be submitted in the form of Bank Guarantee.</p>	APPLICABLE	<input type="text" value="Yes"/>	NOT APPLICABLE	<input type="text"/>
APPLICABLE	<input type="text" value="Yes"/>					
NOT APPLICABLE	<input type="text"/>					
(I)	PERFORMANCE BANK GUARANTEE	<table border="1"> <tr> <td>APPLICABLE</td> <td><input type="text" value="Yes"/></td> </tr> <tr> <td>NOT APPLICABLE</td> <td><input type="text"/></td> </tr> </table>	APPLICABLE	<input type="text" value="Yes"/>	NOT APPLICABLE	<input type="text"/>
APPLICABLE	<input type="text" value="Yes"/>					
NOT APPLICABLE	<input type="text"/>					
(J)	DATE, TIME & VENUE OF PRE-BID MEETING	Scheduled as per NIT on ISN-ETS portal and/or SECI website.				
(K)	OFFLINE & ONLINE BID-SUBMISSION DEADLINE	As per NIT on ISN-ETS portal				
(L)	TECHNO-COMMERCIAL BID OPENING	As per NIT on ISN-ETS portal				
(M)	e-Reverse Auction (e-RA)	Will be informed to eligible bidders. Date and time of e-RA shall be intimated through email.				
(N)	CONTACT DETAILS OF ISN-ETS BIDDING PORTAL	M/s Electronic Tender.com (India) Pvt. Ltd. Gurugram Contact Person: ISN-ETS Support Team Customer Support: +91-124-4229071,4229072 (From 10:00 Hrs to 18:00 Hrs on all working Days i.e. Monday to Friday except Govt. Holidays) Email: support@isn-ets.com				
(O)	Name, Designation, Address and other details (For Submission of Response to RfS)	Sh. Atulya Kumar Naik Executive Director (Contracts & Procurement) Solar Energy Corporation of India Limited 6 th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar, New Delhi - 110 023 Email : contracts@SECI.co.in				

(P)	Details of persons to be contacted in case of any assistance required	<p>1) Sh. Pratik Prasun Sr. Manager (C&P) Contact No.: 011-24666237 pratikpr@seci.co.in</p> <p>2) Sh. Biblesh Meena Manager (C&P) Contact No.: 011-24666270 biblesh@seci.co.in</p> <p>3) Sh. Jayansh Gaur Dy. Manager (C&P) Contact No.: 011-24666281 jayansh.gaur@seci.co.in</p>
-----	--	---

1. Bids must be submitted strictly in accordance with Section-2 and 3 of the RfS, depending upon Type of Tender as mentioned at Clause no. (D) of Bid Information Sheet.
2. Bidders are required to quote strictly as per terms and conditions of the RfS documents and not to stipulate any deviations/ exceptions.
3. Any bidder, who meets the Qualifying Requirement and wishes to quote against this RfS, may download the complete RfS document along with its amendment(s) and clarifications if any, from ISN-ETS Portal (<https://www.bharat-electronictender.com>) and/or SECI website (www.SECI.co.in) and submit their Bid complete in all respect as per terms & conditions of RfS Document on or before the due date of bid submission.
4. Clarification(s)/ Corrigendum(s), if any, shall also be available on the above referred websites.

Bidders are requested to remain updated for any notices/ amendments/ clarifications etc. to the RfS document through the websites <https://www.bharat-electronictender.com> and www.SECI.co.in. No separate notifications will be issued for such notices/ amendments/ clarifications etc. in the print media or individually. Intimation regarding notification on the above shall be updated on www.SECI.co.in and the details will be available only from <https://www.bharat-electronictender.com>.

SECTION 1. INTRODUCTION & INVITATION FOR BIDS

1 *Background & Introduction*

- 1.1 Solar Energy Corporation of India Limited (hereinafter called “SECI”) is a “Navratna” Government of India Enterprise under the administrative control of the Ministry of New & Renewable Energy (MNRE). One of the main objectives of the Company is to assist the Ministry and function as the implementing and facilitating arm of the National Solar Mission (NSM) for development, promotion and commercialization of solar energy technologies in the country.
- 1.2 With various global developments in technology and manufacturing, Renewable Energy (RE) has become the most affordable and cheapest source for meeting the energy requirements. Initial capacities have been successfully integrated to the grids so far, but with increasing penetration of RE in the energy mix, further capacity addition is expected to face issues due to variable nature and supply-demand mismatch.
- 1.3 The above aspects rightly point out to the next course of direction of India’s energy planning methodology-integrating Energy Storage Systems (ESS) with existing and upcoming RE capacity in order to optimize generation mix while also better utilizing the transmission infrastructure in the country. With respect to increasing the storage component in the energy mix, CEA’s Report on identification of usage of storage as business case and for ancillary services, identifies Pumped Hydro Storage System (PSP) and Battery Energy Storage Systems (BESS) as the commercially deployed solutions for providing requisite storage capacity. CEA’s Report on Optimal generation capacity mix for the year 2029-30 (Version 2.0), released in April, 2023, envisages a total installed Battery Energy Storage capacity of 41,650 MW/208,250 MWh as part of the installed capacity in 2029-30. This will be in addition to 18,986 MW of Pumped Hydro Storage System envisaged to be a component of the installed capacity in 2029-30.
- 1.4 Going forward, the planning process for transition to a greener energy mix in the country would entail integrating the planned Renewable capacity into India’s energy grid while ensuring its safety and reliability. Apart from Pumped Hydro Storage Plants, BESS are envisaged to be significant element of the future grid with increased share of renewable energy in accordance with the target of 500 GW of non-fossil-based capacity to be installed by 2030. Energy Storage Systems (ESS) are necessary to address this challenge by storing excess energy when not needed and supplying it during peak demand periods. As reliance on RE increases, the grid experiences stress during evening and morning peaks when sufficient RE is not available, necessitating additional power dispatch. ESS plays a vital role in successfully integrating RE into the grid and assisting grid operators in managing these fluctuations in demand and RE supply. ESS connected to solar pooling stations also help in maximizing the capacity utilization of RE transmission systems.
- 1.5 SECI has received interest from Kerala State Electricity Board Limited (KSEBL), to facilitate installation and utilization of energy storage systems, on an “On-Demand” basis, suited to their requirements during the peak and off-peak hours. In view of the

above, SECI hereby invites proposals for setting up of a Grid-connected Project of Standalone Battery Energy Storage System (BESS), for a Single storage capacity of 500 MWh (1 project). SECI shall enter into a Battery Energy Storage Purchase Agreement (BESPA) with the successful Bidders selected based on this RfS, for providing Energy Storage facility to KSEBL as per the terms, conditions and provisions of the RfS and BESPA.

- 1.6 Battery Energy Storage System Developers (hereinafter referred to as BESSDs) selected by SECI based on this RfS, shall set up the BESS on Build Own Operate(BOO) basis in accordance with the provisions of this RfS document and standard BESPA. BESPA formats shall be shortly available for download from the (<https://www.bharat-electronictender.com>)
- 1.7 Energy Storage facility to be procured by SECI from the above ESSs has been provisioned to be sold to KSEBL. SECI shall be an intermediary nodal agency for installing & using the energy storage facility and charging/discharging the BESS in line with respective agreements with the BESSD and KSEBL, based on due performance by the concerned parties. 100% of the Contracted Capacity shall be off-taken by KSEBL from the Project to be set up under this RfS.
- 1.8 The Bidders will be free to avail fiscal incentives like Accelerated Depreciation, Concessional Customs and Excise Duties, Tax Holidays etc. available if any for such Project. The same will not have any bearing on comparison of bids for selection. As equal opportunity is being provided to all Bidders at the time of tendering itself, it is up to the Bidders to avail various tax and other benefits. No claim shall arise on SECI for any liability if Bidders are not able to avail fiscal incentives and this will not have any bearing on the applicable tariff. SECI does not however, give a representation on the availability of fiscal incentive and submission of bid by the Bidder shall be independent of such availability or non-availability as the case may be of the fiscal incentives.
- 1.9 Already commissioned projects cannot be considered under this RfS. The battery capacity being installed under this tender cannot be used by the developer as part of the installed Project capacity demonstrated under any other tender concluded by any Central or State Agency as on the last date of bid submission of this RfS.

1.10 **Viability Gap Funding**

Project selected under this RfS shall be eligible for grant of Central Financial assistance in the form of Viability Gap Funding (VGF), to be released as per the provisions contained in this RfS. At present, VGF support has been earmarked for a cumulative BESS capacity for Kerala of 500MWh,

1.11 **Guidelines for Implementation of the RfS**

This RfS document has been prepared based on the Guidelines for “Procurement and Utilization of Battery Energy Storage Systems as part of Generation, Transmission and Distribution assets, along with Ancillary Services”, issued by Ministry of Power vide Gazette Notification dated 10.03.2022 and subsequent amendments and clarifications

issued thereto until the bid submission deadline for this RfS. SECI has issued this RfS in the capacity of “Intermediary Procurer” as defined in the aforementioned Guidelines.

2 Invitation for Bids

2.1 A Single Stage, Two-Envelope competitive Bidding Procedure will be adopted and will proceed as detailed in this document. The respective rights of SECI and the Bidder/BESSD shall be governed by the RfS Documents/Agreements signed between SECI and the BESSD.

2.2 Interested bidders have to necessarily register themselves on the portal <https://www.bharat-electronictender.com> (“ETS portal”) through M/s Electronic Tender.com (India) Pvt. Limited to participate in the bidding under this invitation for bids. It shall be the sole responsibility of the interested bidders to get themselves registered at the aforesaid portal for which they are required to contact M/s Electronic Tender.com (India) Pvt. Limited, New Delhi to complete the registration formalities. Contact details of ISN-ETS is mentioned on the Bid Information Sheet. All required documents and formalities for registering on ISN-ETS are mentioned in the subsequent RfS documents.

They may obtain further information regarding this RfS from the registered office of SECI at the address given on the Bid Information Sheet from 10:00 hours to 17:00 hours on all working days.

For proper uploading of the bids on the ETS portal, it shall be the sole responsibility of the bidders to apprise themselves adequately regarding all the relevant procedures and provisions as detailed in the portal as well as by contacting M/s Electronic Tender.com (India) Pvt. Limited (ETI) directly, as and when required, for which contact details are also mentioned on the Bid Information Sheet. SECI in no case shall be responsible for any issues related to timely or properly uploading/ submission of the bid in accordance with the relevant provisions of the Bidding Documents.

2.3 Bidders should submit their bid proposal complete in all aspect on or before last date and time of Bid Submission as mentioned on ISN-ETS Portal (<https://www.bharat-electronictender.com>), SECI website <http://www.SECI.co.in> and as indicated in the Bid Information Sheet.

2.4 Bidder shall submit bid proposal along with non-refundable RfS Document Fees and Bid Processing Fees and Earnest Money Deposit (EMD) complete in all respect as per the Bid Information Sheet. Bid proposals received without the stipulated RfS Document Fees, Bid Processing Fees and EMD, will be rejected. **In the event of any date indicated being declared a holiday, the next working day shall become operative for the respective purpose mentioned herein.**

2.5 RfS documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from the ISN-ETS bidding portal or from SECI’s website. It is mandatory to download official copy of the RfS Document from ISN-ETS bidding portal to participate in the Tender. Any

amendment(s)/corrigendum(s)/clarification(s) with respect to this RfS shall be uploaded on ISN-ETS website. The Bidder should regularly check for any Amendment(s)/Corrigendum(s)/Clarification(s) on the above mentioned ISN-ETS bidding portal website. The same may also be uploaded on SECI's website also. However, incase of any discrepancy, the information available on ISN-ETS website shall prevail.

2.6 SECI reserves the right to cancel/ withdraw/ defer this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.

2.7 SECI has issued this RfS in the capacity of “Intermediary Procurer” as defined in the aforementioned Guidelines. SECI may develop a suitable monitoring mechanism, to analyze the performance of the Project and carry out random checks to verify compliance of quality standards.

2.8 **Interpretations**

- a. Words comprising the singular shall include the plural & vice versa.
- b. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
- c. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
- d. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differentiation between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
- e. The table of contents and any headings or sub headings in the contract has been inserted for case of reference only & shall not affect the interpretation of this document.