



**Request for Selection (RfS) Document
for setting up of Pilot Projects of 500 MW/1000MWh
Standalone Battery Energy Storage Systems in India
under Tariff-Based Global Competitive Bidding
(ESS-I)**

RfS No. SECI/C&P/IPP/15/0001/22-23 dated: 13.04.2022

Tender Search Code on ISN-ETS: SECI-2022-TN000010

***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. Solar Energy Corporation of India Ltd (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 and CPPP, the documents uploaded on the ISN-ETS website will prevail.

Place: New Delhi

Date: 13.04.2022

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 1000 MWh (500 MW x 2 hrs) Battery Energy Storage Systems in India for “on Demand” usage under Tariff-based Competitive Bidding (ESS-I)</p> <p>2. The Projects will be set up under “BOOT” model.</p>				
(B)	RfS NO. & DATE	SECI/C&P/IPP/15/0001/22-23 dated: 13.04.2022				
(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 29,500/- (Indian Rupees Twenty-Nine Thousand Five Hundred Only) including 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)	DOCUMENT PROCESSING FEE	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">APPLICABLE</td> <td style="width: 50%; text-align: center;"><input 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. 15 Lakh + 18% GST for each Project, to be submitted through NEFT/RTGS transfer in the account of SECI.</p>	APPLICABLE	<input type="checkbox"/> Yes	NOT APPLICABLE	<input type="checkbox"/>
APPLICABLE	<input type="checkbox"/> Yes					
NOT APPLICABLE	<input type="checkbox"/>					
(H)	EARNEST MONEY DEPOSIT (EMD)	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">APPLICABLE</td> <td style="width: 50%; text-align: center;"><input 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 7,40,000/- (Indian Rupees Seven Lakh and Forty Thousand only) per MW per Project to be submitted in the form of Bank Guarantee.</p>	APPLICABLE	<input type="checkbox"/> Yes	NOT APPLICABLE	<input type="checkbox"/>
APPLICABLE	<input type="checkbox"/> Yes					
NOT APPLICABLE	<input type="checkbox"/>					
(I)	PERFORMANCE BANK GUARANTEE	<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;">APPLICABLE</td> <td style="width: 50%; text-align: center;"><input 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>	APPLICABLE	<input type="checkbox"/> Yes	NOT APPLICABLE	<input type="checkbox"/>
APPLICABLE	<input type="checkbox"/> Yes					
NOT APPLICABLE	<input type="checkbox"/>					
(J)	DATE, TIME & VENUE OF PRE-BID MEETING	<p>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 Scheduled as per NIT on ISN-ETS portal and/or SECI website.</p>				
(K)	OFFLINE & ONLINE BID-SUBMISSION DEADLINE	<p>As per NIT on ISN-ETS portal</p>				
(L)	TECHNO-COMMERCIAL BID OPENING	<p>As per NIT on ISN-ETS portal</p>				
(M)	e-Reverse Auction (e-RA)	<p>Will be informed to eligible bidders. Date and time of e-RA shall be intimated through email.</p>				
(N)	CONTACT DETAILS OF ISN-ETS Portal	<p>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</p>				

(O)	Name, Designation, Address and other details (For Submission of Response to RfS)	Sh. Ajay Kumar Sinha Additional General Manager (Contracts & Procurement) Solar Energy Corporation of India Limited 6 th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar, New Delhi - 110023 Contact No.: 011 24666220 Email: contracts@seci.co.in
(P)	Details of persons to be contacted in case of any assistance required	1) Sh. Pratik Prasun Manager (C&P) Ph.: 011-24666237 pratikpr@seci.co.in 2) Sh. Biblesh Meena Deputy Manager (C&P) Ph: 011-24666270 Biblesh@seci.co.in 3) Sh. Jayansh Gaur Senior Engineer (C&P) Ph: 011-24666281 jayansh.gaur@seci.co.in

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 only will be available 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 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. The CEA Study has revealed that the planning model selects the battery energy storage system from the year 2027-28 onwards and a Battery Energy Storage capacity of 27,000 MW/108,000 MWh (4-hour storage) is projected to be part of the installed capacity in 2029-30. This will be in addition to 10,151 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. BESS assets can provide the required flexibility in generation apart from ensuring the resource adequacy. Besides, Energy Storage Systems also have the potential to enable better utilization of the country’s transmission network and reducing network infrastructure footprint.
- 1.5 SECI has received interest from prospective Buying Entities across the country, to utilize energy storage systems, on a “On-Demand” basis, suited to their requirements during the peak and off-peak hours. In view of the above, SECI hereby wishes to invite proposals for setting up of ISTS-connected Pilot Projects of Standalone Battery Energy Storage Systems (BESS), for an aggregate storage capacity of 1000 MWh (500 MW x 2 hrs). SECI shall enter into a Battery Energy Storage Purchase Agreement (BESPA)