



Balance of System tender for setting up of grid connected 200 MW Ground mounted Solar PV plant at Dhar, Madhya Pradesh



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Balance of System Tender

for

**Setting up of grid connected 200 MW Ground
mounted Solar PV plant**

at

Dhar, Madhya Pradesh

Tender No.: [SECI/C&P/OP/11/017/2024-25](#)

Dated: 01/05/2025

200 MW (AC) Ground mounted
Solar PV Power Plant Project

Tender No.
SECI/C&P/OP/11/017/2024-25

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Signature of Bidder

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DISCLAIMER

1. Though adequate care has been taken while preparing the tender document, the bidder(s) shall satisfy themselves that the document is complete in all respect. Intimation regarding any discrepancy shall be given to the office of Employer immediately. If no intimation is received from any bidder within **10 (Ten) days from the date of issuance of Tender 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. While this tender document has been prepared in good faith, 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.
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Place: New Delhi

Date: 01/05/2025



SECTION - I

INVITATION FOR BIDS (IFB)

**200 MW (AC) Ground
mounted Solar PV Power
Plant Project**

**Tender No.
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**IFB
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(DOMESTIC COMPETITIVE BIDDING)

**(SINGLE STAGE TWO ENVELOPE BIDDING FOLLOWED BY E-REVERSE AUCTION)
UNDER E-TENDERING**

INVITATION FOR BIDS (IFB)

FOR

DESIGN, ENGINEERING, SUPPLY (EXCEPT PV MODULES), UNLOADING OF PV MODULES AT SITE SUPPLIED BY THE OWNER, CONSTRUCTION, ERECTION, TESTING & COMMISSIONING OF 200 MW (AC) GROUND MOUNTED SOLAR PV PROJECT AT DHAR, MADHYA PRADESH HAVING 5 YEARS PLANT O&M UNDER CPSU SCHEME PHASE II, TRANCHE III

(SUPPLY OF MODULES IS UNDER OWNER'S SCOPE)

1.0 INTRODUCTION

- 1.1 Solar Energy Corporation of India Limited (SECI) is a CPSU under the administrative control of the Ministry of New and Renewable Energy (MNRE), set up on 20th Sept, 2011 to facilitate the implementation of JNNSM and achievement of targets set therein. It is the only CPSU dedicated to the solar energy sector. It was originally incorporated as a section-3 (not for profit) company under the Companies Act, 2013.
- 1.2 In the present outlook of the RE sector, especially solar energy, SECI has a major role to play in the sector's development. The company is responsible for implementation of a number of schemes of MNRE for large-scale grid-connected projects under JNNSM, solar park scheme and grid-connected solar rooftop scheme along with a host of other specialised schemes. In addition, SECI is also developing its own Solar, Floating & Hybrid innovative RE Projects & is providing consultancy services to various major CPSUs for developing turnkey basis RE Projects. The company also has power trading license and is active in this domain through trading of solar power from projects set up under the schemes being implemented by it.
- 1.3 SECI, envisages the execution of green energy technologies by way of implementing ground based Solar PV Power Plant under the "**Central Public Sector Undertaking (CPSU) Scheme Phase-II (Government Producer Scheme) for setting up 12,000 MW grid connected Solar Photovoltaic (PV) Power Projects by the Government Producers with Viability Gap Funding (VGF) support for self-use or use by Government/Government entities, either directly or through Distribution Companies (DISCOMS)**" vide No. 302/4/2017-GRID SOLAR dated 05.03.2019" with subsequent amendments and clarifications thereof".

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Project developments under this CPSU scheme would not only be a leap towards harnessing the use of renewable energy but also be means of self-reliant and economical expenditure on energy requirement, which would capitalize the abundance of Solar Energy resource.

- 1.4 The selection of the Contractor for the “Design, Engineering, Supply(except PV modules), Unloading of PV Modules at Site Supplied by the Owner, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Project at Dhar, having 5 Years Plant O&M” will be carried out by Solar Energy Corporation of India Limited (A Government of India Enterprise) incorporated under the Companies Act, 2013, having its Registered Office at 6th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar, New Delhi-110023 (hereinafter referred to as ‘SECI’ or EMPLOYER or OWNER). For the purpose of all procurement activities related to the said works, SECI shall be referred to as ‘SECI or Employer or Owner’.
- 1.5 SECI, therefore, invites bids from eligible bidders to participate in the tender for Design, Engineering, Supply (except PV modules), Unloading of PV Modules at Site Supplied by the Owner, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Project at Dhar, having 5 Years Plant O&M as per the aforementioned details.

2.0 VOID

- 3.0 The complete Bidding Documents are available at ISN-ETS portal <https://www.bharat-electronictender.com>, Central Public Procurement portal (CPPP) of GoI at www.eprocure.gov.in as well as on SECI's website <http://www.seci.co.in>. However, for the purpose of participation, the official copy of the bidding documents shall only be downloaded from SECI's e-tendering portal at <https://www.bharat-electronictender.com>, as per the provisions available therein. Accordingly, the online bid also has to be uploaded by the respective bidders at <https://www.bharat-electronictender.com> only & no other mode of participation is permitted for this tender document other than ISN-ETS Portal.
- 4.0 Interested bidders have to necessarily register themselves on the portal <https://www.bharat-electronictender.com> through M/s Electronic Tender.com India Pvt Ltd (ETI), New Delhi 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 ETI, New Delhi to complete the registration formalities. The address of M/s ETI is mentioned on the Bid Information Sheet. All required documents and formalities for registering on ETI are mentioned in the subsequent bidding documents.

They may obtain further information regarding this IFB 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 till the last date of the Bid Submission.

For proper uploading of the bids on the portal namely <https://www.bharat-electronictender.com> (hereinafter referred to as the ‘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

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as well as by contacting M/s Electronic Tender.com India Pvt Ltd (ETI), New Delhi directly, as and when required, for which contact details are also mentioned on the Bid Information Sheet. The EMPLOYER 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 Section II - ITB of the Bidding Documents.

- 5.0 While submitting/ uploading the bids, the system through portal asks to key in the pass-phrase for encryption of the documents. The pass-phrase is required by SECI for opening the bids (Separate for both First Envelopes as well as Second Envelopes). **The same may be submitted on the portal as per the provisions existing for submission of the pass-phrase and as per the details given in ITB.**

In the event, SECI is unable to open the Bids with the given pass-phrase provided by the bidders, SECI on its discretion may give an option through the portal, to the bidder to open its bid as per provisions available on the portal. However, SECI shall not be responsible if bid could not be opened within reasonable time for whatsoever reason. In such a case, the bid shall be sent unopened to 'Archive' on the portal and shall not be considered at all any further.

- 6.0 A Single Stage Two Envelope Bidding Procedure followed by e-Reverse Auction will be adopted and will be processed as detailed in the Bidding Documents. Bidding will be conducted through the competitive bidding procedures as per the provisions of ITB/ BDS and the contract shall be executed as per the provisions of the Contract. It shall be noted that the respective rights of the Employer and the Bidder/ Contractor shall be governed by this Bidding Documents and Contract signed between the Owner and the Contractor for the package.

- 7.0 Bidders should submit their bid proposal online complete in all aspect on or before last date and time of Bid Submission as mentioned on ETS Portal of ISN-ETS at <https://www.bharat-electronictender.com> and as indicated in the Bid Information Sheet.

- 8.0 Bidder shall submit bid proposal along with non-refundable Tender Processing Fees, Earnest Money Deposit (EMD) if applicable/ Bid Securing Declaration complete in all respect as per the Bid Information Sheet. Techno-Commercial bids will be opened as per the Bid Information Sheet in offline/ online presence of authorised representatives of bidders who wish to be present offline/ online. Bid proposals received without the prescribed Tender Processing Fees and Earnest Money Deposit (EMD, if applicable) or Bid Securing Declaration will be rejected. **In the event of any date indicated is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein.**

- 9.0 Tender documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from ETS Portal of ISN-ETS at <https://www.bharat-electronictender.com>. **It is mandatory to download official copy of Tender Document from ISN-ETS Portal to participate in the Tender.** Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this Tender shall be uploaded on ETI site. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned ETI site. The same may also be uploaded on SECI website <http://www.seci.co.in> also. **However, in case of any discrepancy, the information available on ETI site shall prevail.**



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10.0 The Bidder selected shall be responsible for the performance of the following scope of work (more detailed in this tender document):

- (i) Design, Engineering, Supply (except PV modules), Unloading of PV Modules at Site Supplied by the Owner, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Power Plant at Dhar.
- (ii) Comprehensive operation & maintenance of the Ground mounted Solar PV Power Plants for 5 (Five) years as mentioned in detailed scope of work, after successful commissioning and performance demonstration, as detailed in technical specification, including supply and storage of all mandatory spare parts, consumables, repairs/ replacement of any defective equipment, etc.

The above scope of work is indicative and the detailed scope of work is given in the Scope of Work and Technical Specification (Section - VII) of the Tender Documents.

11.0 EMD/Bid Securing Declaration shall be enclosed in a sealed envelope and shall be submitted in the office of EMPLOYER (offline) whose mailing address is mentioned in the Bid Information Sheet.

12.0 Performance Securities as per this tender document shall be furnished by the successful bidder after issuance of Notification of Award (NOA)/ Letter of Intent (LOI)/ Letter of Award (LOA) by the Owner.

13.0 The detailed Qualifying Requirements (QR) are given in the section, "Annexure to BDS".

14.0 The EMPLOYER shall conduct e-Reverse Auction (e-RA), as per provisions of **Instructions to Bidders (ITB)** of Tender documents.

15.0 ***EMPLOYER/ Owner reserves the right to cancel/ withdraw this invitation for bids without assigning any reason and shall bear no liability whatsoever consequent upon such a decision.***

16.0 **Public Procurement Policy** - Wrt. Ministry of New & Renewable Energy (MNRE) Order No 283/22/2019-Grid Solar Dated 23rd Sep 2020 for the Public Procurement (Preference to Make In India) including any amendments thereto, so as to Provide Purchase Preference (linked with local content) with respect to Renewable Energy (RE) Sector & Department for Promotion of Industry and Internal Trade (DPIIT) Notification No. P-45021/2/2017-PP (BE-LI) dated 4th June, 2020 including any amendments, the procurement of Solar Modules for the subject tender will be supplied through Class I Local Suppliers only. A Class-I local supplier' means a Supplier or Service Provider, whose Goods, Services or works offered for Procurement, has local content equal to or more than 50%, as defined under the above said orders.

17.0 All statutory and Government approval issued from time to time will prevail for the tender document and the bidders has to abide by that. Ex.: ALMM, Public Procurement, DCR regulation issued by MNRE etc.

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INTERPRETATIONS

1. Words comprising the singular shall include the plural & vice versa.
2. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
3. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
4. Different parts of this contract are to be taken as mutually explanatory and supplementary to each other and if there is any differences between or among the parts of this contract, they shall be interpreted in a harmonious manner so as to give effect to each part.

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 agreement.

BID INFORMATION SHEET

The brief details of the tender are as under:

(A)	NAME OF WORK/ BRIEF SCOPE OF WORK/ JOB	<p>Design & engineering, procurement & supply of equipment and materials (except PV modules), Unloading of PV Modules at Site Supplied by the Owner, testing at manufacturers works, multi – level inspections, packing and forwarding, supply, receipt, unloading and storage at site, associated civil works, services, permits, licences, installation and incidentals, insurance at all stages (Including Insurance of PV Modules Supplied by Owner), erection, testing and commissioning of 200 MW (AC) Grid connected ground mounted Solar PV Power Plant and performance demonstration with associated equipment and materials on turnkey basis at Dhar along with 5 (Five) years comprehensive operation and maintenance from the date of commissioning or Operational Acceptance, whichever is later.</p> <p>1. Design, Procurement & Supply, and erection of the following, in all respect:</p> <p>1.1 Module mounting structures and fasteners. Installation, Erection, Testing and Commissioning of Modules (as supplied by owner) along with demonstration of the performance parameters.</p> <p>1.2 All power conditioning systems including junction boxes, Inverters/ PCU, DC and AC circuit breaker(s).</p>
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		<p>1.3 All associated electrical works and equipment required for interfacing line/ cable (i.e., transformer(s) – power and auxiliary, breakers, isolators, lightning arrestor(s), LT/other panels, protection system, cables, metering etc., but not limited to) as per technical specifications.</p> <p>1.4 Design, supply, erection, testing & commissioning defined in scope of work/ TS as per project requirement and associated switchgear equipment and metering equipment as per technical specification and state regulations.</p> <p>1.5 All associated civil works, including design and Engineering, for: Earthwork for Site grading, cutting, filling, levelling & compacting, internal Roads, Storm water drainage in the requisite project land as required for development of this Solar PV Power Plant</p> <p>1.6 Construction of Passage for Cleaning of Solar PV Project</p> <p>1.7 Construction of rainwater drainage, if required</p> <p>1.8 Setting up of a comprehensive Fire Protection system as per the Hazardous area classification for the site</p> <p>1.9 Supply of mandatory spares & special tools and tackles</p> <p>1.10 Demonstration of performance of the plant as per the requirement specified in the bidding documents.</p> <p>1.11 Comprehensive operation & maintenance of the ground mounted SPV plant for 5 (Five) years as mentioned in detailed scope of work from the date of commissioning or Operational Acceptance, whichever is later, as detailed in technical specification, including supply and storage of all spare parts, consumables, repairs/ replacement of any defective equipment etc.</p> <p>1.12 Obtaining all associated statutory and regulatory compliances and approvals for successful construction, commissioning and operation of plant</p> <p>1.13 The detailed scope of work is given in Section VII: Scope of Work, specifications and Drawings of this bidding documents.</p>
(B)	TENDER NO. & DATE	<u>SECI/C&P/OP/11/017/2024-25</u> dated 01/05/2025
(C)	SOURCE OF FUNDS	Owner as defined in the Bid Data Sheets (BDS) intends to finance the package through domestic funding and own resources.
(D)	TYPE OF TENDER	“Single Stage Two Envelope “online Bidding system followed by e-Reverse Auction.
(E)	BIDDERS ELIGIBLE FOR BIDDING	It's a “Domestic Competitive Bidding” and hence this bid is open only for bidders registered within the Owner's country.

(F)	COMPLETION/ CONTRACT PERIOD	As mentioned in Special Conditions of Contract (SCC).
(G)	COST OF BIDDING DOCUMENTS	Free of cost
(H)	TENDER PROCESSING FEE	<u>INR 25,000/- (Indian Rupees Twenty-Five Thousand only)</u>
(I)	EARNEST MONEY DEPOSIT (EMD)	<u>INR 7,48,00,000/- (Indian Rupees Seven Crores Forty-Eight Lakhs only)</u>
(J)	CONTRACT PERFORMANCE SECURITY	As mentioned in Special Conditions of Contract (SCC) Section of the tender document.
(K)	DATE, TIME & VENUE OF PRE- BID MEETING & SITE VISIT	<p>Pre-Bid Meeting 1100 HRS (IST) on 08.05.2025</p> <p>Venue will be intimated subsequent to the release of tender document.</p> <p>Site Visit:</p> <p>Prospective Bidders are advised to visit the proposed site to study the actual conditions and go through the plans/ drawings connected to the present scope of work etc including power evacuation system and Project capacities and get acquainted with the same before attending Pre-bid meeting.</p>
(L)	OFFLINE & ONLINE BID- SUBMISSION DEADLINE	<u>22.05.2025 up to 1400 HRS</u>
(M)	OFFLINE & ONLINE BID OPENING	<u>22.05.2025, 1600 HRS onwards</u>
(N)	FINANCIAL BID OPENING	To be intimated subsequent to the shortlisting of Techno Commercial Bids

(O)	CONTRATUAL QUERIES CONTACT DETAILS	<p>Sh. A K Naik ED (C&P)</p> <p>Solar Energy Corporation of India Limited (A Government of India Enterprise)</p> <p>6th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar, New Delhi-110023, India</p> <p>E mail: aknaik@seci.co.in Phone: 011-24666200/ 24666215</p>
(P)	TECHNICAL QUERIES CONTACT DETAILS	<p>Sh. Shreedhar Singh AGM (Projects)</p> <p>Solar Energy Corporation of India Limited (A Government of India Enterprise)</p> <p>6th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar, New Delhi-110023, India</p> <p>E mail: shreedhar.singh@seci.co.in Phone: 011-24666200/ 24666221</p>
(Q)	CONTACT DETAILS OF ETI	<p>M/s Electronic Tender.com (India) Pvt Ltd</p> <p>Registered Office: 6, Jain Mandir Road, New Delhi-110001 Corporate Office: 1001, City Court, M. G. Road, Gurugram - 122002, Haryana</p> <p>Contact Person: ETS Support Team Contact No.: +91-124-4229071, 4229072</p> <p>Email: support@esn-ets.com</p>

- 1.0 Bids must be submitted strictly in accordance with Clause no. 11 of ITB depending upon Type of Tender as mentioned at Clause no. (D) of Bid Information Sheet. The IFB is an integral and inseparable part of the Tender document.
- 2.0 Bidder(s) are advised to bid strictly as per terms and conditions of the tender documents and not to stipulate any deviations/ exceptions.
- 3.0 Any bidder, who meets the Qualifying Requirement and wishes to quote against this tender, may download the complete bidding document along with its amendment(s) if any from ETS Portal of

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ISN-ETS (<https://www.bharat-electronictender.com>) and submit their Bid complete in all respect as per terms & conditions of Tender Document on or before the due date of bid submission.

- 4.0 No Manual / Hard Copy of the Bid shall be acceptable.
- 5.0 Clarification(s)/ Corrigendum(s) if any shall also be available on above referred websites.
- 6.0 Owner will release NOA/ LOI/ LOA/ CA for LSTK (Lump Sum Turn Key)/ EPC (Engineering, Procurement & Commissioning) to the successful bidder. The NOA/ LOI/ LOA/ CA for LSTK/ EPC job shall be awarded in following respective parts as mentioned briefly below: -

(i) **First Contract (Supply & Service Part):** For providing the Ex Works Supply, materials (except PV modules) including mandatory spares and any other supplies specified in the Tender Documents under the scope of Supply comprising of all services i.e., including Transportation and Insurance of all Equipment's till site, Unloading of PV Modules at Site Supplied by the Owner, Storage, Handling at Site, Civil Works, Design, engineering, Erection, Installation, Testing and Commissioning of complete Solar Power Plant (including Modules) including Performance Testing in respect of all the Equipment's supplied under the scope of Supply and any other services specified in the Contract Documents.

(ii) **Second Contract (O&M Part):** For providing Comprehensive operation & maintenance of the Solar PV plant for 5 (Five) years from the date of Operational Acceptance, as detailed in technical specification including supply and storage of all spare parts, consumables, repairs/ replacement of any defective equipment etc.

- 7.0 However, the above-mentioned contract award methodology may be modified/ changed based on specific project requirements and upon sole discretion of Owner.



SECTION - II

INSTRUCTION TO BIDDERS (ITB)