



Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant  
at Ramagiri, Andhra Pradesh



**Solar Energy Corporation of India Limited**  
(A Government of India Enterprise)  
CIN: U40106DL2011GOI225263

6th Floor, Plate-B, NBCC Office Block Tower-2, East Kidwai Nagar,  
New Delhi-110023, India

Tel: 011 - 24666200, Fax: 011 - 24666231  
E mail: [contracts@seci.co.in](mailto:contracts@seci.co.in); [sandeep@seci.co.in](mailto:sandeep@seci.co.in)

**Tender**

**For**

**Setting up of Grid Connected 300 MW Ground  
Mounted Solar PV plant**

**at**

**Ramagiri, Andhra Pradesh**

**Tender No.: [SECI/C&P/OP/11/0006/2022-23](#)**

**Dated: 13/04/2023**

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

Tender No.  
SECI/C&P/OP/11/0006/2022-23

COVER PAGE  
Page 1 of 3

Signature of Bidder

**TABLE OF CONTENTS**

<b>DESCRIPTION</b>	<b>PAGE NO.</b>
SECTION - I : Invitation for Bids (IFB)	1 - 11
SECTION - II : Instructions to Bidders (ITB)	1 - 46
SECTION - III : Bid Data Sheets (BDS)	1 – 5
Annexure to Bid Data Sheet (BDS) : Qualifying Requirements (QR)	1 – 7
SECTION - IV : General Conditions of Contract (GCC)	1 - 79
SECTION - V : Special Conditions of Contract (SCC)	1 - 12
SECTION - VI : Sample Forms & Formats	1 - 53
SECTION - VII : Scope of Work & Technical Specifications	Attached as Annexure A-J & Technical Specifications
SECTION - VIII : Schedule of Rates (SOR)/ Price Schedule (PS)/ Format for Price Bid	1 – 3



Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant  
at Ramagiri, Andhra Pradesh

---

**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.
4. All rights reserved. No part of this document may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of SECI, except in the case of brief quotations embodied in critical reviews and certain other non-commercial uses permitted by copyright law.

Place: New Delhi

Date: 13/04/2023



Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant at Ramagiri, Andhra Pradesh



# SECTION - I

# INVITATION FOR BIDS (IFB)

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

Tender No.  
SECI/C&P/OP/11/0006/2022-23

IFB  
Page 1 of 11

Signature of  
Bidder



Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant at Ramagiri, Andhra Pradesh

(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), CONSTRUCTION, ERECTION, TESTING & COMMISSIONING OF 300 MW (AC) GROUND MOUNTED SOLAR PV PROJECT AT RAMAGIRI, ANDHRA PRADESH HAVING 5 YEARS PLANT O&M UNDER CPSU SCHEME PHASE II, TRANCHE III

(SUPPLY OF MODULES IS UNDER OWNER'S SCOPE)

**REGARDING PPP:**

**WRT MINISTRY OF NEW & RENEWABLE ENERGY (MNRE) ORDER NO 283/22/2019-GRID SOLAR DATED 23<sup>RD</sup> SEP 2020 FOR THE PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA) INCLUDING ANY AMENDMENTS, TO PROVIDE FOR PURCHASE PREFERENCE (LINKED WITH LOCAL CONTENT) IN RESPECT OF 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 INVERTERS FOR THE SUBJECT TENDER WILL BE DONE FROM CLASS I LOCAL SUPPLIERS ONLY, WHEREIN, 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.**

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

Tender No.  
SECI/C&P/OP/11/0006/2022-23

IFB  
Page 2 of 11

Signature of  
Bidder



# Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant at Ramagiri, Andhra Pradesh

## 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**. 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), Construction, Erection, Testing & Commissioning of 300 MW (AC) Ground mounted Solar PV Project at Ramagiri, 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 6<sup>th</sup> 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), Construction, Erection, Testing & Commissioning of 300 MW (AC) Ground mounted Solar PV Project at Ramagiri, having 5 Years Plant O&M as per the aforementioned details.

## 2.0 VOID

<b>300 MW (AC) Ground mounted Solar PV Power Plant Project</b>	<b><u>Tender No.</u> <u>SECI/C&amp;P/OP/11/0006/2022-23</u></b>	<b><u>IFB</u> <u>Page 3 of 11</u></b>	<b><u>Signature of Bidder</u></b>
--	---	---	-----------------------------------



## Tender for setting up of grid connected 300 MW Ground mounted Solar PV plant at Ramagiri, Andhra Pradesh

- 3.0 The complete Bidding Documents are available at ISN-ETS portal <https://www.bharat-electronictender.com>, Central Public Procurement portal (CPPP) of Gol at [www.eprocure.gov.in](http://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 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

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

**Tender No.  
SECI/C&P/OP/11/0006/2022-23**

**IFB  
Page 4 of 11**

**Signature of  
Bidder**