

# SECTION - I

## INVITATION FOR BIDS (IFB)

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

**INVITATION FOR BIDS (IFB) FOR  
DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, ERECTION, TESTING & COMMISSIONING OF 200  
MW (AC) GROUND MOUNTED SOLAR PV PROJECT AT JHANSI, UTTAR PRADESH HAVING 5 YEARS  
PLANT O&M**

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<b>Setting up a Grid-Connected 200 MW Ground-Mounted Solar PV Power Plant at Jhansi, Uttar Pradesh</b>	<b>Tender No.: RECPDCL/UPNEDA/200MWSOLAR/EPC/ FY25/001 dated: 17.05.2024</b>	<b>IFB Page 2 of 9</b>	<b><u>Signature of Bidder</u></b>
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## 1. INTRODUCTION

1.1. REC Power Development and Consultancy Limited (RECPDCL), is a wholly owned subsidiary of REC Limited, a "Maharatna" Enterprise under the Ministry of Power, Government of India. The existing key services offered by RECPDCL include coordination of bid processes for Inter-State and Intra-State transmission projects, coordination of bid processes for flexibility in generation schemes, engagement as Project Implementation Agency (PIA) for Smart Metering projects, PIA services for Distribution Infrastructure projects, Project Management Consultancy (PMC) for various Government of India Schemes such as RDSS, DDUGJY, IPDS, and Saubhagya. Beyond the core services, RECPDCL is gearing for venturing into the Renewable Energy sector through diverse business models. Hence RECPDCL is actively considering investment in brownfield renewable energy projects.

1.2. The selection of the Contractor for the "Design, Engineering, Supply, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Project at Jhansi , UP including 5 Years Plant O&M" will be carried out by RECPDCL incorporated under the Companies Act, 2013, having its Registered Office at Core-4, SCOPE complex, 7, Lodhi Road, New Delhi-110003 (hereinafter referred to as 'RECPDCL' or EMPLOYER or OWNER).

1.3. RECPDCL, therefore, invites bids from eligible bidders to participate in the tender for Design, Engineering, Supply, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Project at Jhansi, Uttar Pradesh, having 5 Years Plant O&M as per the aforementioned details.

2. The complete Bidding Documents are available at REC's e-wizard portal <https://rec.ewizard.in>, as well as on RECPDCL's website <https://www.recpdcl.in> and REC website <https://www.recindia.nic.in>. However, for the purpose of participation, the official copy of the bidding documents shall only be downloaded from RECPDCL's e-tendering portal at <https://rec.ewizard.in>, as per the provisions available therein. Accordingly, the online bid also has to be uploaded by the respective bidders at <https://rec.ewizard.in> only & no other mode of participation is permitted for this tender document other than REC's e-wizard portal.

3. Interested bidders have to necessarily register themselves on the portal <https://rec.ewizard.in> 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 complete the registration formalities. All required documents and formalities for registering on E-Wizard are mentioned in the subsequent bidding documents.

They may obtain further information regarding this IFB from the registered office of RECPDCL 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://rec.ewizard.in> (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 REC's e-wizard portal <https://rec.ewizard.in>, 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.

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4. 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.
5. Bidders should submit their bid proposal online complete in all aspect on or before last date and time of Bid Submission as mentioned at REC/e-wizard portal <https://rec.ewizard.in> and as indicated in the Bid Information Sheet.
6. 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.
7. Tender documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from E- Wizard Portal at <https://rec.ewizard.in>. It is mandatory to download official copy of Tender Document from E- Wizard Portal to participate in the Tender. Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this Tender shall be uploaded on E- Wizard site. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned E- Wizard site. The same may also be uploaded on RECPDCL website <http://www.recpdcl.in> also. However, in case of any discrepancy, the information available on E- Wizard site shall prevail.
8. 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, Construction, Erection, Testing & Commissioning of 200 MW (AC) Ground mounted Solar PV Power Plant at Jhansi, Uttar Pradesh.
  - 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 of the Tender Documents.

9. 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.
10. 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.

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11. The detailed Qualifying Requirements (QR) are given in the section, "Annexure to BDS".
12. The EMPLOYER shall conduct e-Reverse Auction (e-RA), as per provisions of Instructions to Bidders (ITB) of Tender documents.
13. 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.

#### **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:

<b>(A)</b>	<b>NAME OF WORK/ BRIEF SCOPE OF WORK/ JOB</b>	<p>Design &amp; engineering, procurement &amp; supply of equipment and materials, 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, erection, testing and commissioning of 200 MW (AC) Grid connected ground mounted Solar PV Power Plant and</p> <p>Performance demonstration with associated equipment and materials on turnkey basis at Jhansi along with 5 (Five) years comprehensive operation and maintenance from the date of commissioning or Operational Acceptance, whichever is later.</p> <ol style="list-style-type: none"> <li>1. Design, Procurement &amp; Supply, and erection of the following, in all respect: <ol style="list-style-type: none"> <li>1.1 Solar Modules, Module mounting structures and fasteners. Installation, Erection, Testing and Commissioning of Modules along with demonstration of the performance parameters.</li> <li>1.2 All power conditioning systems including junction boxes, Inverters/ PCU, DC and AC circuit breaker(s).</li> <li>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 the above) as per technical specifications.</li> <li>1.4 Design, supply, erection, testing &amp; 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.</li> <li>1.5 All associated civil works, including design and Engineering, for: Earthwork for Site grading, cutting, filling, levelling &amp; compacting, internal Roads, Storm water drainage in the requisite project land as required for development of this Solar PV Power Plant</li> <li>1.6 Construction of Passage for Cleaning of Solar PV Power Project</li> <li>1.7 Construction of rainwater drainage, if required</li> <li>1.8 Setting up of a comprehensive Fire Protection system as per the Hazardous area classification for the site</li> <li>1.9 Supply of mandatory spares &amp; special tools and tackles</li> <li>1.10 Demonstration of performance of the plant as per the requirement specified in the bidding documents.</li> </ol> </li> </ol>
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		<p>1.11 Comprehensive operation &amp; 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>The detailed scope of work is given in sections : Scope of Work, specifications and Drawings of this bidding documents.</p>
(B)	TENDER NO. & DATE	RECPDCL/UPNEDA/200MWSOLAR/EPC/FY25/001 dated 17.05.2024
(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	Rs. 25,000 + 18% GST
(H)	TENDER PROCESSING FEE	Rs. 10,00,000 + 18% GST
(I)	EARNEST MONEY DEPOSIT (EMD)	Rs. 3, 50, 00, 000/- (Indian Rupees Three Crore and Fifty Lakhs only).
(J)	CONTRACT PERFORMANCE SECURITY	5% of the total Contract Value
(K)	DATE, TIME & VENUE OF PRE- BID MEETING & SITE VISIT	<p>Pre-Bid Meeting: 27-05-2024 at 12.00 HRS (IST)</p> <p>Mode : Online</p> <p>Link will be shared on REPDCL/ E-wizard portal shortly .</p> <p>Last Date for submission of queries By Bidder : 28-05-2024</p> <p>Last Date for replies to the Queries by RECPDCL : 30-05-2024</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	<p>Last day for Online submission of bid : 06-06-2024 at 17.00 Hrs (IST)</p> <p>Last Day for Offline submission of Bids : 06-06-2024 at 17.00 Hrs (IST)</p>
(M)	OFFLINE & ONLINE BID OPENING	06-06-2024 at 17.30 Hrs (IST)
(N)	FINANCIAL BID OPENING	To be intimated subsequent to the shortlisting of Techno Commercial Bids
(O)	QUERIES CONTACT DETAILS	<p>Shri Krishna Chaitanya, Manager-RE&amp; BD, REC Power Development and Consultancy Limited, Plot Number 1-4, REC World Headquarters, D-Block, Sector-29, Gurugram – 122001, Haryana, India Website: <a href="http://www.recpdcl.in">www.recpdcl.in</a> E mail: <a href="mailto:rediv@recpdcl.in">rediv@recpdcl.in</a> Phone: 9940461546</p>
(Q)	Support Team Contact Details	<p>E –wizard:</p> <p>1. Help desk No – 011-49606060, email - <a href="mailto:eprochelpdesk.101@gmail.com">eprochelpdesk.101@gmail.com</a></p> <p>2. Sh. Birendra- 8448288988, email - <a href="mailto:eprochelpdesk.21@gmail.com">eprochelpdesk.21@gmail.com</a></p>

1. The IFB is an integral and inseparable part of the Tender document.
2. Bidder(s) are advised to bid strictly as per terms and conditions of the tender documents and not to stipulate any deviations/ exceptions.
3. 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 REC's e-wizard portal <https://rec.ewizard.in> 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. No Manual / Hard Copy of the Bid shall be acceptable.
5. Clarification(s)/ Corrigendum(s) if any shall also be available on above referred websites.
6. 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 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, Storage, Handling at Site, Civil Works, Design, engineering, Erection, Installation, Testing and Commissioning of complete Solar PV Power Plant 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. However, the above-mentioned contract award methodology may be modified/ changed based on specific project requirements and upon sole discretion of Owner.