



SECTION - I

INVITATION FOR BIDS (IFB)

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FOR

TENDER FOR DESIGN, ENGINEERING, SUPPLY, CONSTRUCTION, ERECTION, TESTING & COMMISSIONING OF 8 MWp (DC) SOLAR GCRTPV PROJECT INCLUDING 05 YEARS OF PLANT O&M AT BANARAS HINDU UNIVERSITY (BHU) CAMPUS, VARANASI (U.P.)

(SINGLE STAGE TWO ENVELOPE BIDDING)

Under e-Tendering

- 1.0 Banaras Hindu University (BHU), Varanasi 221005 an internationally reputed Institution of Learning, founded by Pandit Madan Mohan Malaviya in 1916 & established by an Act of Parliament – Banaras Hindu University Act, 1915. BHU shall be referred as “Owner” of the Project.
- 2.0 BHU is a leading University in India having large number of buildings & vast open land available, on its main campus and at Rajiv Gandhi South Campus (RGSC) which can be gainfully utilized for installation of Rooftop Solar PV Projects. The power so generated would be primarily consumed within the campus & surplus power, if any, could be fed to the grid as per the prevailing Central & State regulations, policies and practices.
- 3.0 The EPC/ Tender activities in respect of the aforesaid Project has been entrusted to Solar Energy Corporation of India Limited (A Government of India Enterprise) incorporated under the Companies Act, 2013, having its Registered Office at D - 3, 1st Floor, Wing - A, Religare Building, District Centre, Saket, New Delhi - 110 017 (hereinafter referred to as ‘SECI’/ EMPLOYER/OWNER). For the purpose of all procurement activities related to the said works, SECI shall be referred to as ‘Employer’.
- 4.0 Employer, therefore, invites bids from eligible bidders to participate in the Tender for the Design, Engineering, Supply, Construction, Erection, Testing & Commissioning of 8 MWp (DC) Solar GCRTPV Project including 05 years of plant O&M at Banaras Hindu University (BHU) Campus, Varanasi (U.P.)
- 5.0 **NOT APPLICABLE TO THIS TENDER:**
- 6.0 The complete Bidding Documents are available at TCIL portal <https://www.tcil-india-electronictender.com> as well as on SECI's website <http://www.seci.co.in>. Interested bidders shall download the Bidding Documents from the portal <https://www.tcil-india-electronictender.com> as per the provisions available therein.
- 7.0 Interested bidders have to necessarily register themselves on the portal <https://www.tcil-india-electronictender.com> through M/s Telecommunications Consultants India Limited (TCIL), 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 TCIL, New Delhi to complete the registration formalities. The address of M/s TCIL is mentioned on the Bid Information Sheet. All required documents and formalities for registering on TCIL 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.

For proper uploading of the bids on the portal namely <https://www.tcil-india-electronicstender.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 Telecommunications Consultants India Limited, 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.

- 8.0 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 Employer 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 of not opening of the bid with the pass-phrase provided by the bidder, Employer 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, Employer shall not be responsible if bid could not be opened within reasonable time for what so ever 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.

- 9.0 A Single Stage Two Envelope Bidding Procedure will be adopted and will proceed 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 the Bidding Documents/ Contract signed between the Employer and the Contractor for the package.

- 10.0 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 TCIL (<https://www.tcil-india-electronicstender.com>), SECI website <http://www.seci.co.in> and as indicated in the Bid Information Sheet.

- 11.0 Bidder shall submit bid proposal along with non-refundable Tender Processing Fees, Earnest Money Deposit (EMD) 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

8 MWp Solar GCRTPV Project	<u>Tender No</u> <u>SECI/C&P/BHU/VAR/062017/08</u>	<u>IFB</u> <u>Page 3 of 9</u>	<u>Signature of Bidder</u>
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received without the prescribed Tender Processing Fees and Earnest Money Deposit (EMD) 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.**

12.0 Tender documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from ETS Portal of TCIL (<https://www.tcil-india-electronictender.com>) or from SECI website (<http://www.seci.co.in>). **It is mandatory to download official copy of Tender Document from Electronic Tender System (ETS) Portal of TCIL to participate in the Tender.** Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this Tender shall be uploaded on TCIL website. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned TCIL website. 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 TCIL website shall prevail.**

13.0 The detailed scope of work includes :

13.1 Design, Engineering, Supply, Construction, Erection, Testing & Commissioning of 8 MWp (DC) Solar GCRTPV Project at Banaras Hindu University (BHU) Campus, Varanasi (U.P.)

13.2 Comprehensive operation & maintenance of the SPV plant for 05 (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.

14.0 In case a Tender provides provision for multiple bids by a common bidder, then separate EMD(s) and Tender Processing Fees shall be furnished for all the bids as listed out in the Tender along with the response to Tender. Kindly refer the Clause of Bid Information Sheet for details. EMD 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.

15.0 For multiple packages, separate Performance Securities shall be furnished against each package being executed under this Tender (*indicating the list of Packages as per Tender where project(s) are to be executed*) by the successful bidder after issuance of Notification of Award (NOA)/ Letter of Intent (LOI)/ Letter of Allocation (LOA) by Employer/ Owner.

16.0 The detailed Qualifying Requirements (QR) are given in the Annexure to BDS.

17.0 The Employer shall conduct e-Reverse Auction (e-RA), if required or as per provisions of **Special Conditions of Contract (SCC)** of Tender documents. **NOT APPLICABLE TO THIS TENDER**

- 18.0 ***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.***

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 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.
5. 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>Tender for the Design, Engineering, Supply, Construction, Erection, Testing & Commissioning of 8 MWp (DC) Solar GCRTPV Project including 05 years of plant O&M at Banaras Hindu University (BHU) Campus, Varanasi (U.P.)</p> <p>1. Design, Procurement & Supply and erection of the following, in all respect:</p> <p>1.1 Solar panels including module mounting structures and fasteners</p> <p>1.2 All power conditioning systems including junction boxes, Inverters/ PCU, DC and AC circuit breaker(s).</p> <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 Cabling/ TL at voltage level 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>
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		<div>1.5 All associated civil works, including design and Engineering, for: Earthwork for Site grading, cutting, filling, levelling & compacting in requisite project land as required for development of this Rooftop Solar PV Power Plant</div> <div>1.6 Construction of module mounting structure as per Roof conditions and other power equipment foundations, cable trenches for cable routing and earthing pits.</div> <div>1.7 Construction of Passage of Roof for Cleaning of Solar PV (SPV) Project</div> <div>1.8 Construction of rain water drainage, as required</div> <div>1.9 Setting up of a comprehensive Fire Protection system as per the Hazardous area classification for the site</div> <div>1.10 Supply of mandatory spares</div> <div>1.11 Demonstration of performance of the plant as per the requirement specified in the bidding documents.</div> <div>1.12 Comprehensive operation & maintenance of the SPV plant for 05 (Five) years as mentioned in detailed scope of work after successful commissioning and Operation acceptance after performance demonstration, as detailed in technical specification including supply and storage of all spare parts, consumables, repairs/ replacement of any defective equipment etc</div> <div>1.13 Obtaining all associated statutory and regulatory compliances and approvals for successful construction, commissioning and operation of plant</div> <div>1.14 The detailed scope of work is given in Section VII : Scope of Work, specifications and Drawings of this bidding documents.</div>				
(B)	TENDER NO. & DATE	SECI/C&P/BHU/VAR/062017/08 dated 08/07/2017				
(C)	MULTIPLE BIDDING SYSTEM	<table><tr><td>ALLOWED</td><td><div></div></td></tr><tr><td>NOT ALLOWED</td><td><div>Yes</div></td></tr></table>	ALLOWED	<div></div>	NOT ALLOWED	<div>Yes</div>
ALLOWED	<div></div>					
NOT ALLOWED	<div>Yes</div>					
(D)	TYPE OF TENDER	<table><tr><td>E-TENDER</td><td><div>Yes</div></td></tr><tr><td>MANUAL</td><td><div></div></td></tr></table>	E-TENDER	<div>Yes</div>	MANUAL	<div></div>
E-TENDER	<div>Yes</div>					
MANUAL	<div></div>					

(E)	COMPLETION/ CONTRACT PERIOD	As mentioned in Special Conditions of Contract (SCC).				
(F)	TENDER PROCESSING FEE	<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 48000/- (Indian Rupees Forty Eight Thousand only) plus taxes (GST @ 18%)</p>	APPLICABLE	<input type="text" value="Yes"/>	NOT APPLICABLE	<input type="text"/>
APPLICABLE	<input type="text" value="Yes"/>					
NOT APPLICABLE	<input type="text"/>					
(G)	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 96,00,000/- (Indian Rupees Ninety Six Lacs Only)</p>	APPLICABLE	<input type="text" value="Yes"/>	NOT APPLICABLE	<input type="text"/>
APPLICABLE	<input type="text" value="Yes"/>					
NOT APPLICABLE	<input type="text"/>					
(H)	CONTRACT PERFORMANCE SECURITY	<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"/>					
(I)	DATE, TIME & VENUE OF PRE-BID MEETING	<p>1100 HRS (IST) on 17/07/2017 at</p> <p>Banaras Hindu University, Varanasi – 221005 (U.P.)</p> <p>Kind Attn.: Registrar / SE (Electrical) EWSS</p> <p>Telephone Nos.: - 0091-(0)542-2307222/2368558/6701673</p> <p>Fax No.: - 0091-(0)542-2369425/2368174</p> <p>E-mail: - registrar@bhu.ac.in</p>				
(J)	OFFLINE & ONLINE BID-SUBMISSION DEADLINE	28/07/2017 up to 1800 HRS				

(K)	OFFLINE & ONLINE BID OPENING	31/07/2017, 1100 HRS onwards
(L)	FINANCIAL BID OPENING	To be intimated subsequent to the shortlisting of Techno Commercial Bids
(M)	TECHNICAL QUERIES CONTACT DETAILS	Sh. Rajesh Kumar Jain Addl. General Manager (PS) OR Mr. Chandra Kumar Singh Deputy Manager (PS) Solar Energy Corporation of India Limited (A Government of India Enterprise) D - 3, 1 st Floor, Wing - A, Religare Building, District Centre, Saket, New Delhi - 110 017 E mail: agmsolar@seci.co.in Phone: 011-71989200/ 71989211/ 71989226
(N)	CONTACT DETAILS OF TCIL	M/s Telecommunications Consultants India Limited 6 th Floor, TCIL Bhawan, Greater Kailash - 1 New Delhi - 110 048 Contact Person : ETS Support Team Contact No. : 011 26202699 (Multiline) / 26241790 / 26202661 Email : ets_support@tcil-india.com

- 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 quote 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 TCIL (<https://www.tcil-india-electronictender.com>) and/ or SECI website (www.seci.co.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.
- 4.0 Clarification(s)/ Corrigendum(s) if any shall also be available on above referred websites.
- 5.0 NOA/ LOI/ LOA for LSTK (Lump Sum Turn Key)/ EPC (Engineering, Procurement & Commissioning) job shall be issued to successful bidder(s). The NOA/ LOI/ LOA for LSTK/ EPC job shall be awarded in following respective parts as mentioned briefly below: -
 - (i) **First Contract:** For Ex-Works Supply of all Equipments and materials including mandatory spares and any other supplies specified in the Contract Documents.

- (ii) **Second Contract:** For providing all services i.e. Transportation for delivery at site, Insurance, Unloading, Storage, Handling at Site, Civil Works, Erection, Installation, Testing and Commissioning including Performance Testing in respect of all the Equipments supplied under the "First Contract" and any other services specified in the Contract Documents.

Both contracts will contain a cross fall breach clause specifying that breach of one will constitute breach of the other

- (iii) **Third Contract:** For providing Comprehensive operation & maintenance of the SPV plant for 05 (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 spare parts, consumables, repairs/ replacement of any defective equipment etc

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