

टीएचडीसीइंडिया लिमिटेड



THDC INDIA LIMITED

(Schedule A Mini Ratna PSU) CIN: U45203UR1988GOI009822

Address: NCR Office, Sector-14, Kaushambi, Ghaziabad- 201010 (U.P.)

NOTICE INVITING TENDER

Tender No: THDC/NCR/CC-467R

Subject: Setting up of grid connected 11 MW (AC) Floating Solar PV (FSPV) Plant on Raw Water Reservoir of Khurja Super Thermal Power Plant.

1.0 Bid are proposed to be invited from the prospective bidders on open tender basis through single stage two envelope bid system (consisting of Envelope-I PQ, techno commercial and Envelope-II Price bid) in e-tendering mode on CPP portal Website (https://.eprocure.gov.in/eprocure/app) through domestic competitive bidding followed by e-RA.

1.	Brief Scope of Work	Setting up of grid connected 11 MW (AC)
'-	Bilei Scope of Work	Floating Solar PV (FSPV) Plant on Raw
		Water Reservoir of Khurja Super Thermal
		Power Plant.
		Detailed Scope of Work as mentioned in
		the tender document.
2.	Estimated cost	INR 63.56 Crs. (including GST)
3.	Cost of Bidding Document / Tender Fee	Free of cost
	(Non-refundable)	
4.	Earnest Money Deposit	Rs. 63.56 Lacs (including GST) in form of
		DD/RTGS/NEFT/BG
5	Availability of Bidding document on	From 14.03.2024 (17:00 Hrs.)
	website	
		To: 04.04.2024 (15:00 Hrs.)
6.	Last date of receipt of queries for	20.03.2023 upto 18:00 Hrs.
	clarification from prospective bidders	
7.	Date & Time of Submission of Bid	Up to: 04.04.2024 (15:00 Hrs.)
8.	Date & Time of opening of PQ &	05.04.2024 at 15:00 Hrs.
	Techno-commercial Bid	
9.	Validity of Bid	180 days from the date of opening of
		Techno-commercial bid.
10.	Currency of Bid	Indian Rupees (INR)
11.	Completion period	09 (Nine) Months from the effective date of
		contract. The effective date of the contract
		shall be the date of issuance of NOA/LOA



SECTION - 0

INVITATION FOR BIDS (IFB)

11 MW (AC) Floating Solar PV Power Plant Project

<u>Tender No.</u> THDCIL/NCR/CC-467R <u>IFB</u> Page 1 of 11 Signature of Bidder



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

INVITATION FOR BIDS (IFB)

FOR

TENDER FOR SETTING UP OF GRID CONNECTED FLOATING SOLAR PV (FSPV) PLANTS FOR THE CAPACITY OF 11 MW (AC) ON RAW WATER RESERVOIR OF KHURJA SUPER THERMAL POWER PLANT (KSTPP)

LOCATED AT

VILLAGE DUSHAHARA, TEHSIL KHURJA, DISTTT. BULANDSHEHAR STAE OF U.P. (Domestic Competitive Bidding)

1.0 **INTRODUCTION**

1.1 THDC India limited is a leading power sector and profit-making Schedule-A Public Sector Enterprise registered as s Public Limited Company in July 1988 under the companies Act, 1956. During 2019-20, Govt. of India has accorded CCEA approval for the strategic sale of GOI Equity to NTPC Limited. Accordingly, the Equity is shared between NTPC Ltd. and Govt. of UP in a ratio of 74.496 and 25.504 respectively. The company was awarded with Mini Ratna Category-I Status on Oct*09 and upgraded to Schedule "A" CPSE in July*10. Total installed capacity of THDCIL presently is 1587 MW comprising of three Hydro Power generating stations namely Tehri HPP (4X250 MW), Koteshwar HEP (4X100 MW) and Dhukwan SHP (3X8 MW) and two operational Wind Power Plants in Gujarat, one at Patan (25X2 MW) and another at Devbhoomi Dwarika (30X2.1 MW) and one Solar power project (50MW) in Kasargod, Kerela.

THDCIL envisages to add 2764 MW upto 2024-25 with anticipated commissioning of its three under construction power projects namely Tehri Pumped Storage Plant (1000 MW), Vishnugad HEP (444 MW) and Khurja STPP (1320 MW) . Besides this THDCIL is also developing 2000 MW Solar Park in Uttar Pradesh through JV with UPNEDA in the name of TUSCO Limited. THDCIL is also developing 10,000 MW RE parks in State of Rajasthan through JV with Rajasthan Renewable Energy Corporation Limited in the name of TREDCO Limited.

- 1.2 THDCIL is currently implementing its Khurja Super Thermal Power Project (2X660MW) in District Bulandshehar, Uttar Pradesh which is expected to be commissioned by Feb, 2024. In order to utilize the space available in the reservoir created for Khurja STPP, THDCIL have entered into an agreement with SECI for providing consultancy services for preparation of Prefeasibility Report for development of floating solar power plant in the above reservoir. Accordingly, SECI has prepared the PFR for installation of 16 MW(DC)/11MW(AC) floating solar power plant.
- 1.3 Owner (THDCIL), invites bids from eligible bidders through open tendering basis to participate in Tender for setting up of grid connected Floating Solar PV (FSPV) Plants of capacity 11 MW(AC) on Raw Water Reservoir of Khurja Super Thermal Power Plants with comprehensive O&M for 03 years.

11 MW (AC) Floating Solar	Tender No. THDCIL/NCR/CC-467R	<u>IFB</u>	Signature of
PV Power Plant Project		<u>Page 2 of 11</u>	Bidder



2.0 PUBLIC PROCUREMENT POLICY (PREFERENCE TO MAKE IN INDIA):

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 & Solar Cells 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.

3.0 APPROVED LIST OF MODELS & MANUFACTURES:

The provisions as contained in the O.M. dated 10.03.2021 issued by MNRE on the subject "Approved Models and Manufacturers of Solar Photovoltaic Modules (requirement of compulsory registration) Order, 2019-Implementation-Reg." and its subsequent amendments and clarifications, shall be applicable for this tender. The Cells and Modules used in this tender shall be sourced only from the Models and Manufacturers included in the List-I (Solar PV Modules) of ALMM Order, Annexure-I of the OM, issued by MNRE on 10th March 2021 which will be updated by MNRE from time to time. The modules to be supplied under this tender, shall be from the List-I of the ALMM order applicable on the date of invoicing of such modules. Bidders shall also provide a disclosure regarding that they are aware of binding provisions of the ALMM order and the list(s) thereunder, while quoting for the tender.

- 4.0 Bids are invited through e-tendering by uploading and submitting the bids on CPP (Central Public Procurement) e-procurement Portal website http://eprocure.gov.in/eprocure/app
- 5.0 The complete Bidding Document is available on CPP e-procurement Portal website http://eprocure.gov.in/eprocure/app . The bidders may download the Bidding Documents accordingly after bidder registrations. The online bid has to be uploaded by the respective bidders at http://eprocure.gov.in/eprocure/app only & no other mode of participation is permitted for this tender document other than CPP Portal.
- 6.0 Interested bidders have to necessarily register themselves on the CPP portal website http://eprocure.gov.in/eprocure/app 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 CPP portal. The steps for help to bidders in regard to the registration for e-tendering, downloading of the tender document and up loading & submission of the bids on the central public procurement portal is given on the web site www.eprocure.gov.in/eprocure.
- 7.0 They may obtain further information regarding this IFB from the NCR office of THDCIL 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.

11 MW (AC) Floating Solar	IFB	Signature of
PV Power Plant Project	Page 3 of 11	Bidder



- 8.0 For proper uploading of the bids on the portal namely http://eprocure.gov.in/eprocure/app (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 CPP portal. The THDCIL 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 I ITB of the Bidding Documents.
- 9.0 The Bids are invited under domestic competitive bidding through open tender under single stage Two-Envelope Bid System followed by e-Reverse Auction (e-RA). The first envelope (Envelope-I) called "PQ and Techno-Commercial Bid" shall contain Tender fee (if applicable), EMD, Power of Attorney, Pre-qualification information & documentary evidence in support thereof and Techno-Commercial Information. The Envelope-I (PQ and Techno-commercial Bid) and Envelope-II (Price Bid) are to be uploaded & submitted on CPP e-procurement Portal website http://eprocure.gov.in/eprocure/app only in the prescribed format. No hard copy of the Price Bid shall be accepted.
- 10.0 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.
- 11.0 Bidders should submit their bid proposal online complete in all aspect on or before last date and time of Bid Submission as mentioned on CPP Portal http://eprocure.gov.in/eprocure/app and as indicated in the Bid Information Sheet.
- 12.0 Bidder shall submit bid proposal along with non-refundable Tender Fees (if applicable), Earnest Money Deposit (EMD) complete in all respect as per the Bid Information Sheet. The scan copy of the DD or scan copy of receipt of RTGS/NEFT payment detail to be uploaded & submitted with other documents. The Tender fee (if applicable) & EMD should be submitted in acceptable form only, otherwise bid may run risk of rejection. The original Bank Guarantee/ DD or details of RTGS/NEFT payment must reach on or before the last date of bid submission, at the address given in 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 Fee (if applicable) 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.
- 13.0 EMD, Power of Attorney, Board resolution in original shall be enclosed in a sealed envelope and shall be submitted within the stipulated bid submission closing date and time in the office of THDCIL (offline) whose mailing address is mentioned in the Bid Information Sheet.
- 14.0 The Tender Fee and EMD is exempted for Micro and Small Enterprises (MSEs) as per prevailing Govt. policies / Directives. However, the proof (the valid authenticated documents) for the same shall be submitted by the bidder for claiming the eligibility and the same must reach on or before the last date of bid submission, at the address given below. Bids without authentic proof of registration as Micro and Small Enterprises (MSEs) in hard copy, shall be treated as without Tender Fee and EMD and shall not be entertained.
- 15.0 Tender documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from CPP Portal at http://eprocure.gov.in/eprocure/app. It is mandatory to download official copy of Tender Document from CPP Portal to participate in the Tender. Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this Tender shall be uploaded on CPP portal website http://eprocure.gov.in/eprocure/app only. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned CPP web site.

11 MW (AC) Floating Solar	Tender No. THDCIL/NCR/CC-467R	<u>IFB</u>	Signature of
PV Power Plant Project		<u>Page 4 of 11</u>	Bidder



- 16.0 Conditional Bid may run the risk of rejection.
- 17.0 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, Construction, Erection, Testing & Commissioning of 11 MW (AC) Floating Solar PV Power Plant on the raw water reservoir of Khurja Super Thermal Power Station.
- (ii) Comprehensive operation & maintenance of the floating Solar PV Power Plants for 03 (three) 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 SCC and (Section IV) of the Tender Documents.
- 18.0 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.
- 19.0 The detailed Qualifying Requirements (QR) are given in the section, "Annexure to BDS".
- 20.0 The THDCIL shall conduct e-Reverse Auction (e-RA), as per provisions of **Instructions to Bidders (ITB)** of Tender documents.
- 21.0 Notwithstanding anything stated above, THDCIL reserves the right to assess the capabilities and capacity of the bidder/ his collaborators/ associates/ subsidiaries/ group companies to perform the contract, should the circumstances warrant such assessment in the overall interest of THDCIL.
- 22.0 THDCIL reserves the right to reject any or all the bids or cancel/ withdraw the invitation for bid, enhance or dilute the Qualification Criteria, in the overall interest of THDCIL, without assigning any reason whatsoever and in such case no bidder/ intending bidder shall have any claim arising out of such action.
- 23.0 'Class-I local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids."
- 24.0 Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

11 MW (AC) Floating Solar	Tender No. THDCIL/NCR/CC-467R	<u>IFB</u>	Signature of
PV Power Plant Project		Page 5 of 11	Bidder



<u>INTERPRETATIONS</u>

- 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.

11 MW (AC) Floating Solar	Tender No. THDCIL/NCR/CC-467R	<u>IFB</u>	Signature of
PV Power Plant Project		Page 6 of 11	Bidder



BID INFORMATION SHEET

The brief details of the tender are as under:

Design & Engineering, Manufacturing / Procurement, Supply, Erection, Testing and Commissioning including PG Test of 16MWp/11MWac Floating Solar Photovoltaic Power Plant on Raw Water reservoir of Khurja Super Thermal Power Plant at Khurja , Bulandshahr , Uttar Pradesh with warranty obligations including 03 (Three) years comprehensive Operation and Maintenance.

- 1. The scope of work shall be on the basis of single source responsibility, completely covering all the Equipment/Material specified under the Technical Specifications/ Tender Documents. The work is to be executed on turnkey basis. It shall include Design, Procurement ,Supply, erection, testing, commissioning and comprehensive O&M for 03 years in all respect: the following:
 - **1.1 Supply:** The Supply scope includes the following but not limited to:

NAME OF WORK/ BRIEF SCOPE OF WORK/ JOB

Manufacture/ Procurement, Supply and delivery of all the materials like Floater, PV Module, Module Mounting Structure, Inverters, Transformer, String Monitoring Boxes, Inverter LT Panel, Grid Inter facing LT Panel, Web based monitoring systems, Weather Monitoring Systems, Cables ,System protection and other accessories conforming to the Technical Specification as required for successful Installations Testing & commissioning of 16MWp/11MWAC Floating Solar PV Power Plant at Khurja Super Thermal Power Plant , Khurja.

Latest licensed version of PVsyst software (minimum 5 users). Pre-activated License is not acceptable. License is to be handed over to THDCIL.

1.2 **Erection, Testing and Commissioning**: The Erection, Testing and Commissioning scope includes the following but not limited to:

Installation, Testing and Commissioning including PG Test of 16MWp/11MWAC Floating Solar Photovoltaic Power Plants on Raw Water Reservoir of Khurja Super Thermal Power Plant at Bulandshahr, Uttar Pradesh on turnkey basis including warrantee obligation with 03 (Three) years comprehensive Operation and Maintenance.

(A)

11 MW (AC) Floating Solar PV Power Plant Project

<u>Tender No.</u> THDCIL/NCR/CC-467R <u>IFB</u> Page 7 of 11

Signature of Bidder



		1.3 Operation and maintenance: Operation and maintenance: Three (3) years comprehensive Operation & Maintenance (O&M) of the Solar PV Plant including power evacuation along with electrical equipment, consumables and spare parts from the date of operational acceptance. The detailed scope of work is given in Section IV: SCC of this bidding documents.
(B)	TENDER NO. & DATE	THDCIL/NCR/CC-467R dated
(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	This bid is open to bidders from within the Owner's country only.
(F)	COMPLETION/ CONTRACT PERIOD	As mentioned in Special Conditions of Contract (SCC).
(G)	COST OF BIDDING DOCUMENTS (TENDER FEE)	Free of cost

11 MW (AC) Floating Solar	Tender No. THDCIL/NCR/CC-467R	IFB	Signature of
PV Power Plant Project		Page 8 of 11	Bidder



(1)	EARNEST MONEY DEPOSIT (EMD)	APPLICABLE NOT APPLICABLE Amount: INR 63,56,000 (Indian Rupees Sixty three lakhs fifty six thousand only).	
(J)	CONTRACT PERFORMANCE SECURITY	APPLICABLE Yes NOT APPLICABLE	
(K)	PRE- BID MEETING & SITE VISIT	Pre-Bid Meeting: Deleted Site Visit: 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 floating Project capacity and get acquainted with the same. For seeking visit of site or any clarifications bidders may contact the AGM(Contracts), NCR Office, Kaushambi, Ghaziabad Email- corpcontract@thdc.co.in Tel. 0120-2816721/2816711	
(L)	OFFLINE & ONLINE BID- SUBMISSION DEADLINE	04.04.2024 up to 15:00 HRS	
(M)	OFFLINE & ONLINE BID OPENING	05.04.2024 up to 15:00 HRS	
(N)	FINANCIAL BID OPENING	To be intimated subsequent to the shortlisting of Techno Commercial Bids	

11 MW (AC) Floating Solar PV Power Plant Project THDCIL	Tender No.	<u>IFB</u>	Signature of
	/NCR/CC-467R <u>P</u>	Page 9 of 11	Bidder



		Sh. AV Narayanan
		Additional General Manager (Contracts)
		,
		THDC India Limited
		1 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		(Schedule-A Mini Ratna Company)
	CONTACT	
(O)	CONTACT	NCR Office, Plot No. 20, Sector-14, Kaushambi, Ghaziabad-
	DETAILS	201010 (UP), India
		201010 (Of), Ilidia
		E mail: corcontract@thdc.co.in
		Phone: 0120- 2816721
		4. TERRAL TERRAL CONT. 4. CT. D. TT. 4. T. C.
		ALTERNATE CONTACT DETAILS
		N.S. Rana
		DGM (Contracts)
		NCR Office, Plot No. 20, Sector-14, Kaushambi, Ghaziabad-
		201010 (UP), India
		, ,,
		E mail: agreentment@thdo.co.in
		E mail: corcontract@thdc.co.in
		Phone: 0120- 2816711

- 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 CPP portal http://eprocure.gov.in/eprocure/app 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 except the necessary document mentioned in the ITB.
- 5.0 Clarification(s)/ Corrigendum(s) if any shall also be available on above referred websites.

•	C) Floating Solar er Plant Project	Tender No. THDCIL/NCR/CC-467R	<u>IFB</u> Page 10 of 11	Signature of Bidder
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- Owner will release NOA/ LOI/ LOA for LSTK (Lump Sum Turn Key)/ EPC (Engineering, Procurement & Commissioning including Comprehensive O&M for 3 years) to the successful bidder. The NOA/ LOI/ LOA for LSTK/ EPC job shall be awarded under single contract for providing Ex works supply, Service, and Comprehensive O&M for 03 years covering entire scope of work, technical specification and other services as specified in detailed in the tender document
- 7.0 However, the above-mentioned contract award methodology may be modified/ changed based on specific project requirements and upon sole discretion of Owner.

11 MW (AC) Floating Solar PV Power Plant Project

<u>Tender No.</u> THDCIL/NCR/CC-467R <u>IFB</u> Page 11 of 11 Signature of Bidder