

2.0 CAPACITY CONFIGURATION

2.1 Total project capacity of 30 MW (AC) is divided into 03 different sites at DVC as per below table:

S NO	SITE DETAILS	SITE CAPACITY (MW)	LOCATIONS
1	SITE – 1	6.0	KODERMA, JHARKHAND
2	SITE – 2	14.0	MEJIA, WEST BENGAL
3	SITE – 3	10.0	RAGHUNATHPUR, WEST BENGAL

2.2 Eligibility Conditions set forth in the tender document are as per 30 MW (AC) cumulative capacity basis only. Bidders are required to quote accordingly for the complete cumulative capacity of 30 MW (AC). The total capacity of 30 MW will be awarded to a single successful bidder only selected after e-RA.

2.3 However, there will be separate Contract Agreements based on separate sites with the same successful bidder. e-RA will be done on the total cumulative capacity of 30 MW only. The total price of EPC and O&M arrived after e-RA, will be converted to the per MW price. Based on the per MW price arrived, the per site project EPC and O&M price will be calculated by multiplying the per MW price with the respective site capacity. In the same way, the respective site O&M prices will be calculated. Accordingly, 03 different EPC and O&M NOA/Contract Agreement will be released for the respective site by the owner to the single successful bidder only.

2.4 EMD can be submitted by the bidders jointly for the complete 30 MW project capacity. However, the successful bidder will be required to submit respective separate Contract Performance Securities & Advance Bank Guarantees (if availed) for individual sites. As there will be individual Contract Agreements with the successful bidder based on site capacity. Owner reserves the option to reduce any of the above-mentioned site capacity from the overall cumulative capacity before/after award of Contract Agreement. Accordingly, the total project price will be proportionately reduced & the final project price arrived as such after reduction will be the final project price of the Contract Agreement.

3.0 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 & 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.

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4.0 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.

5.0 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 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.

6.0 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 PMC 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.

7.0 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 PMC for opening the bids (Separate for both First Envelopes as well as Second Envelopes). **The same may be submitted on the portal**

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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, PMC 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, PMC 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.

- 8.0 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 PMC and the Bidder/ Contractor shall be governed by this Bidding Documents and Contract signed between the Owner and the Contractor for the package.
- 9.0 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.
- 10.0 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.**
- 11.0 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.**
- 12.0 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 30 MW (AC) floating Solar PV Power Plant under different packages at DVC thermal power stations.

- (ii) Comprehensive operation & maintenance of the floating Solar PV Power Plants for 10 (Ten) 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.

- 13.0 EMD/Bid Securing Declaration shall be enclosed in a sealed envelope and shall be submitted in the office of PMC (offline) whose mailing address is mentioned in the Bid Information Sheet.
- 14.0 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.
- 15.0 The detailed Qualifying Requirements (QR) are given in the section, "Annexure to BDS".
- 16.0 The PMC shall conduct e-Reverse Auction (e-RA), as per provisions of **Instructions to Bidders (ITB)** of Tender documents.
- 17.0 **PMC/ 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

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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, 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 30 MW (AC) Grid Interactive floating Solar PV Power Plant and performance demonstration with associated equipment and materials on turnkey basis at different Premises of Damodar Valley Corporation (DVC), in Jharkhand and West Bengal State along with 10 (Ten) 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 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 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>
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		<p>1.11 Comprehensive operation & maintenance of the floating SPV plant for 10 (Ten) 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	SECI/C&P/PMC/11/0002/2022-23 dated 17/06/2022				
(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/PMC’s country only.				
(F)	COMPLETION/ CONTRACT PERIOD	As mentioned in Special Conditions of Contract (SCC).				
(G)	COST OF BIDDING DOCUMENTS	Free of cost				
(H)	TENDER PROCESSING FEE	<table border="1" data-bbox="619 1536 1174 1684"> <tr> <td>APPLICABLE</td> <td>Yes</td> </tr> <tr> <td>NOT APPLICABLE</td> <td></td> </tr> </table> <p>Amount: INR 25000/- (Indian Rupees Twenty-Five Thousand only) inclusive of GST @ 18%</p>	APPLICABLE	Yes	NOT APPLICABLE	
APPLICABLE	Yes					
NOT APPLICABLE						

(I)	EARNEST MONEY DEPOSIT (EMD)	APPLICABLE	Yes
		NOT APPLICABLE	
Amount: INR 4,02,00,000 (Indian Rupees Four crores two lakhs only).			
(J)	CONTRACT PERFORMANCE SECURITY	APPLICABLE	Yes
		NOT APPLICABLE	
(K)	DATE, TIME & VENUE OF PRE-BID MEETING & SITE VISIT	<p>Pre-Bid Meeting 1100 HRS (IST) on 28.06.2022</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 floating Project capacities and get acquainted with the same before attending Pre-bid meeting.</p> <p>For seeking visit of site or any clarifications bidders may contact the AGM, Projects SECI.</p>	
(L)	OFFLINE & ONLINE BID-SUBMISSION DEADLINE	<u>01.08.2022 up to 1400 HRS</u>	
(M)	OFFLINE & ONLINE BID OPENING	<u>01.08.2022, 1600 HRS onwards</u>	
(N)	FINANCIAL BID OPENING	To be intimated subsequent to the shortlisting of Techno Commercial Bids	

(O)	TECHNICAL QUERIES CONTACT DETAILS	<p>Sh. AK Sinha Additional General Manager (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: ajay.k.sinha@seci.co.in Phone: 011-24666200/ 24666220</p>
(P)	TECHNICAL QUERIES CONTACT DETAILS	<p>Sh. Shreedhar Singh Additional General Manager (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 Registered Office: 6, Jain Mandir Road, New Delhi-110001 Corporate Office: 1001, City Court, M. G. Road, Gurugram - 122002, Haryana Contact Person: ETS Support Team Contact No.: +91-124-4229071, 4229072 Email: support@isn-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 ISN-ETS (<https://www.bharat-electronictender.com>) and submit their Bid complete in all

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