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E-TENDER DOCUMENT

For

**Request for Selection (RFS) of Bidders for the
Implementation of 1.5 MWp Grid connected Floating Solar PV Project at
Willingdon Island, Cochin Port Authority including Operation and Maintenance
for 25 years under RESCO model**

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DISCLAIMER

Though adequate care has been taken while preparing the RfS document, the bidder(s) shall satisfy themselves that the document is complete in all respects. Intimation regarding any discrepancy shall be given to the office of Employer /Owner immediately. If no intimation is received from any bidder on or before the Pre bid meeting , it will be considered that the document is complete in all respects and has been received/acknowledged by the bidder(s).

Cochin Port Authority (CoPA) reserves the right to modify, amend or supplement this document.

While this RfS document has been prepared in good faith, neither Cochin Port Authority 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 actor omission on their part.

Place: Kochi

Date: 30/12/2024

SECTION-I
INVITATION FOR BIDS (IFB)

FOR

Selection of Solar Power Developers for “Implementation of 1.5 MWp Grid connected Floating Solar PV Project at Willingdon Island, Cochin Port Authority, including Operation and Maintenance for 25 years under RESCO model”

The tender is invited under two cover system from the experienced **Solar Power Developers** (here in after referred as SPD under RESCO model) through Government e-market place (the GeM portal. For submitting the e-tender, the prospective bidders willing to participate in this tender are required to get registered with Government e Market place (GeM). Tender timeline is available in the BID INFORMATION SHEET given in the tender document.

(SINGLE STAGE TWO COVER BIDDING)
under e-Tendering mode through GeM

- 1.0 Cochin Port Authority, Cochin (formerly Cochin Port Trust), a Body Corporate under the Major Port Authorities Act, 2021, (hereinafter called “CoPA”) is an Autonomous body under the Ministry of Ports, Shipping and Waterways (MoP,S&W). Cochin Port Authority has to comply with the Ministry’s directions in implementing and facilitating Green Port Initiative for development, and promotion of solar energy technology. Moreover CoPA is a Deemed Distribution Licensee for electricity in Port area at W. Island and Vallarpadam & Puthuvypin as per Electricity Act 2003. CoPA has to comply with the Renewable Power Obligations in accordance with KSERC (Renewable Energy and Net Metering Regulations) 2020/KSERC (RE and Net Metering) (First Amendment) Regulation 2022 as amended from time to time.
- 2.0 Ministry of Ports, Shipping and Waterways (MoP, S&W) under the **Maritime India Vision 2030** (MIV 2030) has set a target of achieving 60% of total power requirement in Major Ports through renewable energy by the year 2030 and in accordance with that, Cochin Port Authority (CoPA) wishes to invite proposals for setting up of grid connected Floating Solar Power Projects to be installed in the Backwaters near CoPA’s Walkway Avenue between BOT Junction and Kannangatt bridge at W/Island, Cochin, Kerala, under RESCO model for an aggregate capacity of 1.5 MWp. Cochin Port Authority (CoPA) shall enter into Power Purchase Agreement (PPA) with the Solar Power Developer within 60 (Sixty) days from the date of LoA or within one month from the date of approval of PPA by KSERC.

3.0 PUBLIC PROCUREMENT POLICY:

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.

4.0 APPROVED LIST OF MODELS & MANUFACTURES:

The provisions as contained in the O.M. dated 05/04/2022 issued by MNRE on the subject "Approved Models and Manufacturers of Solar Photovoltaic Modules (requirement of compulsory registration) Order, 2019-Implementation." 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 05/04/2022 which will be updated by MNRE from time to time. Latest revision is on 22/03/2024) The modules to be supplied under this tender, shall be from 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. The equipments and spares used in the solar project shall be of MNRE rules and guidelines.

5.0 OVERVIEW OF THE RfS

Solar Power Developer (herein after referred to as SPD selected by CoPA based on this RfS, shall conduct Site Survey, Design, obtain Statutory Approvals, Engineering, Manufacture, Supply, Storage, Civil work, Erection, obtain CEA approval, Testing & Commissioning of 1.5 MWp Grid Connected Floating Solar PV Project in the Backwaters near CoPA's Walkway Avenue between BOT junction and Kannangatt bridge at W/Island, Cochin Port Authority, Kerala, generated Power Transmission to 11kV grid of Port's 110kV substation at Willingdon Island, including Operation & Maintenance (O & M) of the project for a period of 25 (Twenty Five) Years under RESCO Model after Operational Acceptance" in accordance with the provisions of this RfS document and Power Purchase Agreement (PPA).

- 6.0 The Cochin Port Authority (CoPA) shall enter into PPA with selected SPD within 90 (ninety) days from the date of LoA or within one month from the date of approval of PPA by KSERC for a period of 25 years from the date of commercial operation of the project. The maximum tariff payable to the Project Developer will be fixed/approved by the KSERC after the bidding process. The Bidders will be free to avail fiscal incentives like Accelerated Depreciation, Concessional Customs and Excise Duties, Tax Holidays if available and at the responsibility of SPDs and the bidders shall note that the concessions in the duties cannot be claimed as a right for increase in tariff later on and whatever tariff quoted and approved by KSERC will be final. The tariff quoted by the bidder will be **provisional** and subject to change

and Cochin Port Authority shall conduct Reverse Auction among the Pre qualified Bidders and the tariff approved by the Kerala State Regulatory Commission (KSERC) will be Final and accepted.

7.0 Bidders shall submit their bid by offering a single tariff which shall be applicable during the entire operation and maintenance period of 25 years. There shall not be any upward revision in the approved tariff.

8.0 No transfer or selling of the plant to the third party is allowed during PPA period without the consent of CoPA and without remittance of necessary fees to CoPA as applicable. If the Project is transferred or sold to a third party during its tenure after commercial operation, CoPA reserves the full right to operate the Solar plant with the other SPD at its discretion.

9.0 SELECTION OF TECHNOLOGY & ELIGIBLE PROJECTS UNDER THIS RFS

The Projects to be selected under this RfS for aggregate capacity of 1.5MWp for implementation of Floating Solar PV Projects and are to be installed in the Backwaters near the CoPA's Walk way Avenue between BOT junction and Kannangatt Bridge at W/Island, Kochi, Kerala, India. The selection of solar PV modules and other equipments shall be of the latest technology prevailing in the market and as per MNRE standards / guidelines and as detailed at Condition No 4.0 above

10.0 GENERAL

The Invitation for Bids is open to all eligible bidders meeting the Minimum Qualification Criteria. The complete RfS Documents are available in the GeM portal www.gem.gov.in/, and the CoPA website www.cochinport.gov.in as well as in the Central Public Procurement Portal of Govt. of India, www.eprocure.gov.in. Interested bidders shall download the RfS Documents from these portals as per the provisions available therein. Tenders attaching all documents shall be submitted through GeM portal strictly in accordance with the instructions to bidders (ITB), terms and conditions of the tender document, before the tender submission time mentioned in the tender.

11.0 Interested bidders have to necessarily register themselves in the GeM portal to participate in the tender. For proper uploading of the bids on the portal namely www.gem.gov.in/ (hereinafter referred to as the 'portal'), it shall be the sole responsibility of the bidders to appraise themselves adequately regarding all the relevant procedures and provisions as detailed in the portal as well as by contacting GeM, through e-mail to :helpdesk-gem@gov.in or call on Toll Free Numbers (Inbound):1-[1800-419-3436](tel:1800-419-3436)/1-[1800-102-3436](tel:1800-102-3436) (9:00am-6:00 pm Mon to Sat) Help Desk Outbound No's: +911244875125 & +917556685120, as and when required, 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.

12.0 A Single Stage Two Cover Bidding Procedure with Earnest Money Deposit (EMD) will be adopted and will proceed as detailed in the RfS Documents.

13.0 Bidders should submit their bid proposal online complete in all aspects on or before last date and time of Bid Submission as mentioned on Portal of GeM (www.gem.gov.in) and as indicated in the Bid Information Sheet.

- (i) Bidder shall submit bid proposal along with Earnest Money Deposit (EMD), complete in all respects as per the Bid Information Sheet. Techno-Commercial bids will be opened online in the GeM Portal. Bid proposals received without the prescribed Earnest Money Deposit (EMD)/ Documents for exemption of EMD will be considered as non-responsive.

In the event of any date indicated is a declared Holiday, the tender will be opened on the next working day.

- (ii) Bank details of Cochin Port Authority:

Bank details of Cochin Port Authority are as follows for online payment of EMD:

State Bank of India, Cochin Port Authority Branch, Bank Branch MICR code: 682002021, IFSC Code: SBIN0006367, Cochin Port Authority General Reserve Fund (GRF), Savings Bank Account No. 41401802288.

- (iii) Exemption from the payment of EMD and Cost of Tender document shall be given to Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or are registered with the Central Purchase Organization or the concerned Ministry or Department as provided in GFR 2017.

14.0 RfS documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract, Formats etc. can be downloaded from GEM Portal (www.gem.gov.in) or from CoPA website (www.cochinport.gov.in) or Central Public Procurement Portal of Govt. of India, www.eprocure.gov.in. Any amendment(s)/ corrigendum(s)/ clarification(s) with respect to this RfS shall be uploaded on the above mentioned websites only and no intimation will be sent to the individual bidders. The Bidder should regularly check for any Amendment(s)/ Corrigendum(s)/ Clarification(s) on the above mentioned websites.

15.0 The detailed Qualifying Requirements (QR) are given in Section-III of the RfS., if required.

16.0 CoPA reserves the right to conduct Reverse Auction, as per provisions of RfS documents.

17.0 The bidders have to execute an “ Integrity Pact ”(IP) as per the format available in the CoPA’s website www.cochinport.gov.in. The Tenderer should sign and upload the “Integrity Pact” duly signed in all the pages duly affixing the firm’s seal.

18.0 The Independent External Monitors (IEM) for Cochin Port are as follows:

- 1) Shri. M J Joseph, ICAS (Rtd.)
37, Da Costa Square
3rd Cross, Cooke Town
Bangalore - 560 084
Email: joseph.iem@cochinport.gov.in

- 2) Shri. Punati Sridhar, IFoS(Retd)
8C, Block -4, 14-C Cross,
MCHS Colony, HSR 6th Sector,
Bangalore -560102
Email ID :sridhar.iem@ cochinport.gov.in

- 19.0** The bidder should not have been blacklisted or debarred by any Central/ State Government Agency of Central/State Government/Public Sector Undertaking/ Regulatory Authority of India at the time of submission of this bid.
- 20.0** CoPA reserves the right to cancel/ withdraw this invitation for bids without assigning any reason and shall have no liability what so ever consequent upon such a decision.
- 21.0** Electrical works should be carried out through a licensed Electrical contractor since clearance has to be obtained from the Central Electricity Authority (CEA). The Electrical contractor engaged by the SPD shall hold valid “A-Class” license. A copy of the license shall be submitted along with tender or furnish an undertaking that the SPD shall tie-up with a contractor having A class Electrical license in the case of award contract.
- 22.0** All the statutory clearances shall be obtained for setting up of the Floating solar plant in the water body.

23.0 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 documents 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.

24.0 BID INFORMATION SHEET

The brief details of the RfS are as under:

A	RfS NO. & DATE	GEM/2023/B/... dated -----
B	Document Description	Implementation of 1.5MWp grid connected floating solar PV power plant for Cochin Port Authority under RESCO model.
C	NAME OF WORK/ BRIEF SCOPE OF WORK/ JOB	Selection of Solar Power Developer as per the approval of KSERC for the Site Survey, Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, TPIA inspection, Central Electricity Authority approval, Testing and Commissioning of 1.5MWp Grid Connected Floating Solar PV Project in the Backwaters near CoPA's Walkway Avenue between BOT Junction and Kannangatt bridge at Willingdon Island, Cochin, Kerala and interconnect solar power to the Port's 11kV grid at 110kV substation of CoPA at Willingdon Island with new 11 kV VCB panel by coupling to existing 11 kV bus, including SCADA, Operation & Maintenance (O & M) of the project for a period of 25 (Twenty Five) Years under RESCO Model, after Operational Acceptance, subject to obtaining KSERC approval for the tariff quoted by the lowest bidder after reverse auction and for the PPA.
D	ESTIMATED VALUE	Rs.6,25,50,000/- (Rupees Six Crore Twenty five Lakh Fifty Thousand only). As per the estimated cost of the project, the SPD has to provide at his cost, solar plant 11kV switchgears, transformers, supply and laying of UG cables of approx. 3.5km length, metering and protection devices, SCADA facility etc. as per standards and interconnect solar power to the Port's 11kV grid at 110kV substation.
E	TYPE OF BIDDING SYSTEM	E-TENDER through GeM portal (www.gem.gov.in)
F	TYPE OF RfS/ TENDER	Single stage 2 cover system with EMD
G	COMPLETION/ CONTRACT PERIOD	12 months from the date of signing of PPA as per Clause No. 20, Section-II, Instructions to Bidders (ITB) of RfS
H	BID PROCESSING FEE (Tender document Cost)	Not applicable since bidding is through GeM

I	Bid Bond / EARNEST MONEY DEPOSIT (EMD)/Payment on order Instrument.	Amount: 2% of the Estimated cost, i.e. Rs.12,51,000/- (Rupees Twelve lakh fifty one thousand only) (EMD shall be furnished in the form of Account Payee Demand Draft, Fixed Deposit Receipt, /Banker's Cheque or Bank Guarantee/ Payment on Order Instrument from any of the Commercial Banks, in favour of "FA&CAO, Cochin Port Authority", payable at Cochin or online payment in an acceptable form safeguarding the purchaser's interest in all respects. Exemption shall be granted on submission of NSIC/ MSME/ UAM certificates.)
J	PERFORMANCE BANK GUARANTEE (Security Deposit)/ Payment on order Instrument.	As per Tender Document (Security Deposit shall be furnished in the form of Account payee demand draft, Fixed deposit Receipt from a Commercial bank, Bank Guarantee from a commercial bank/ Payment on order instrument in favour of "FA&CAO, Cochin Port Authority"" payable at Cochin or online payment in an acceptable form safeguarding the purchaser's interest in all respects.
K	DATE, TIME & VENUE OF PRE-BID MEETING	23.01.2025 at 11 am through Video Conferencing.
L	ONLINE BID-SUBMISSION DEADLINE DATE	03.02.2025 at 3 pm.
M	TECHNO-COMMERCIAL BID OPENING	The bids will be opened in the GeM portal on line
N	PRICE BID OPENING	Date and time will be informed later to the eligible bidders.
O	CONTACT DETAILS OF GEM	Mail at: helpdesk-gem@gov.in
P	NAME, DESIGNATION, ADDRESS AND OTHER DETAILS (FOR SUBMISSION OF RESPONSE TO RFS)	The Chief Mechanical Engineer, Cochin Port Authority, 1st floor, New Administrative Building, W/Island, Kochi-9 Tel. 0484-2666639, 2582300, Mobile no. 9444610664 Fax:- 0484-2666639 Email : cme@cochinport.gov.in
Q	DETAILS OF PERSONS TO BE CONTACTED IN CASE OF ANY ASSISTANCE REQUIRED	<ol style="list-style-type: none"> 1. Shri. A. Jayasimha, CME Ph: 0484-2666639, 2582300 Mobile no. 9444610664 2. Shri. Ajithkumar D., SE(Ele) 3. Ph: 0484-2582320 4. Smt. Jayalakshmy.S, EE(Ele) Phone no.. 0484-2582360 5. Smt. V. Mini , AEE(Ele), Phone no. 0484-2582307

Note:

1. Bids must be submitted strictly in accordance with the tender conditions .ie Section-II, Instructions to Bidders (ITB)
2. Any bidder, who meets the Qualifying Requirement and wishes to quote against this RfS, may download the complete RfS document along with its amendment(s) if any from the Portal of GEM (www.gem.gov.in) and/ or CoPA website (www.cochinport.gov.in) or Central Public Procurement Portal of Govt. of India www.eprocure.gov.in and submit their Bid complete in all respects as per terms & conditions of RfS Document on or before the due date of bid submission. In GeM Portal. Clarification(s)/ Corrigendum(s) if any shall also be available on above referred websites and no separate intimation will be sent to the bidders.
3. Prospective Bidders are requested to remain updated for any amendment(s)/ corrigendum(s)/ clarification(s) etc. to the RfS document through the website www.gem.gov.in. No separate intimation will be sent to the individual bidders. Intimation regarding notification on the above shall be updated on www.cochinport.gov.in, www.gem.gov.in. as well as on Central Public Procurement Portal of Govt. of India, www.eprocure.gov.in.