

Notice Inviting Tender

(Invited through e-Tendering mode only)

(Limited to Agencies, who are empanelled with RECPDCL for Technical Consultant as mentioned in "Section-V")

For

Selection of Technical Consultant for providing consultancy services for floating Solar Project.

No. RECPDCL/Solar/e-Tender/2021-22/2781 Dated: 18.02.2022

REC Power Development and Consultancy Limited (RECPDCL)

(A wholly owned subsidiary of REC Ltd., a 'Navratna CPSE' Under Ministry of Power, Govt. of India)

CIN No. of RECPDCL: U40101DL2007GOI165779

Corporate office

REC Power Development and Consultancy Limited
D- Block, REC Corporate Headquarter, Plot No. I-4, Sector-29,
Gurugram (Haryana)-122001, Landmark: Near IFFCO Chowk Metro Station
Website: www.recpdcl.in

Description of task, e-tender submission format and procedure is provided in the NIT document available on RECPDCL website (www.recpdcl.in), REC website (www.recindia.nic.in), e-tendering website (www.tenderwizard.com/REC), Central Public Procurement Portal (www.eprocure.gov.in)

Important Dates	
Date of Release of NIT / Tender	18.02.2022
Last date of submission of Bid	25.02.2022 at 15:00Hours
Date of Opening of Technical Bids	25.02.2022 at 15:30Hours
Date of Opening of Financial Bids	To be intimated later

Note: Online registration has to be done at e-tendering website i.e. www.tenderwizard.com/REC in general; activation of registration may take about maximum 24 hours subject to the submission of all requisite documents required in the process.

**-Sd-
(S.C. Garg)
Addl. C.E.O.**

[This document is meant for the purpose of engaging of Agencies against this tender and should not be transferred, reproduced or otherwise used for purposes other than specified/issued]

TABLE OF CONTENTS

Sl. No.	Section	Particulars	Page No.
1	Section -1	Tender Information	3
2	Section-2	Detailed Scope of Work	4
3	Section-3	Bid Evaluation Methodology	6
4	Section- 4	Commercial Terms, Conditions & Other Provisions	8
5	Section- 5	Qualification Requirements	10
6	Annexure - 1	Letter For Submission of Bid	11
7	Annexure - 2	Bidder's General Details	12
8	Annexure - 3	Earnest Money Deposit Declaration	13
9	Annexure - 4	Financial Bid	14
10	Annexure - 5	Performance Bank Guarantee (PBG) format	15
11	Annexure - 6	Final claim certificate	16
12	Annexure - 7	Checklist for submission of Bid	17

SECTION-1

TENDER INFORMATION

Name of the Assignment: Selection of Technical Consultant for providing consultancy services for floating Solar Project.

Important Information

Sl. No.	Event	Date / Information
1	Date of Release of NIT / Tender	18.02.2022
2	Last date of submission of Bid	25.02.2022 at 15:00 Hours
3	Date of Opening of Technical Bids	25.02.2022 at 15:30 Hours
4	Date of Opening of Financial Bids	To be intimated later
5	Tender document	The Tender document can be downloaded and viewed from any of the website: www.recpdcl.in (or) www.recindia.nic.in (or) www.eprocure.gov.in (or) (www.tenderwizard.com/REC) at free of cost.
6	Earnest Money Deposit (EMD)	Rs. 50,000/-
7	Mode of EMD	Online
8	Account Details of RECPDCL	Name: REC Power Development and Consultancy Limited Account No: 000705041275 Branch: 9A, Phelps Building, Connaught Place, New Delhi-110001 IFS Code: ICIC0000007
9	Performance Bank Guarantee (PBG)	10% of the Contract Value
10	Tentative Contract Period	12 months
11	Address for Bid Submission	Sh. S.C.Garg, Addl. Chief Executive Officer, REC Power Development and Consultancy Limited, D- Block, REC Corporate Headquarter, Plot No. I-4, Sector-29, Gurugram (Haryana)-122001, Landmark: Near IFFCO Chowk Metro Station
12	Contact Person	Shri Alok Singh (General Manager) Email: aloksingh@recpdcl.in , rediv@recpdcl.in Shri Swapn Piyoosh (Dy. Manager) Email: swapn.piyoosh@recpdcl.in Phone:+91 8527730111

- The bid shall remain valid for a period of 180 days from the last date of bid opening.

SECTION- 2
DETAILED SCOPE OF WORK

Floating Solar Photovoltaic Park Project at a glance	
Type of Reservoir	Man Made
Purpose of Reservoir	Water Treatment
Location of Plant	Delhi NCR
Length of Reservoir	300 Meter x 300 Meter
Depth (Max.) of Reservoir	5 Meters
Water Spread Area	Approximately 90,000 Sq meter's
Land Characteristics	No irrigation, Water treatment plant
Distance from Indira Gandhi International Airport, New Delhi.	Within 40 K.M.

The Scope of work is indicative in nature but not limited to the following and bidder must include their areas that shall be required for successfully delivering the scope:

1. Submission of Technical Feasibility Report and Detailed Project Report

1.1 Technical Feasibility Report:

- a) The Consultant shall conduct water quality checks (pH level, Conductivity, Resistivity etc.)
- b) The Consultant shall check the Power Interconnection facilities and existing infrastructure and suggest for modification required (if any) for FSPV plant grid connection.
- c) The Consultant shall assess the suitability of the site for installing a Floating Solar PV system, including a review of the local climatic conditions.

1.2 Detailed Project Report:

- a) The Consultant shall carry out the detailed site survey including bathymetric study, water body characteristics, geo-technical investigation (on shore/off shore) etc. and shall apprise RECPDCL regarding information such as water properties (such as TDS content etc), depth of reservoir (Full Reservoir Level (FRL), Minimum Drawdown level (MDDL), Dead Storage level etc., variation in the depth of water reservoir, water flow rate/current, climatic conditions, requirement of statutory approvals etc., as a part of DPR.
- b) DPR to be prepared by the consultant shall include energy yield calculation and calculate Performance Ratio and P50, P90 and P99 production forecasts, cost estimate, Soil test report.
- c) DPR will consist detailed Bill of Material's, Single line diagrams, Power Evacuation Arrangements, safety aspects of the projects, different options for operation and maintenance.
- d) Draft DPR is to be discussed with RECPDCL time to time and the changes as suggested are to be incorporated.

2. Preparation of RfP documents and Bid evaluation:

- a) The Consultant shall prepare the RfP for engaging of EPC Contractor including project related details like feasible capacity, scope of work, qualification requirements, payment terms, technical specifications to ensure maximum life of the project, Operation & Maintenance Contract. The consultant shall prepare the all-necessary drawings and design required for tendering purpose.
- b) The Consultant shall evaluate the technical and financial bids submitted by EPC Contractor as per EPC tender.

3. Activity during Construction Phase:

- a) The Consultant shall review all the Drawings/Design submitted by EPC Contractor in line with technical specifications specified in EPC Contract to ensure appropriate compliance in terms of performance and safety.
- b) The consultant shall provide technical support during construction phase including submission of weekly progress report. Such support may be provided from consultant own office through VC/ e-mail etc. Consultant shall be engaged in day-to-day activities and provide timely clarifications as and when required till successful commissioning of project.
- c) In case of project requirement technical consultant shall visit the site during construction phase as and when required by RECPDCL. Total 10 such visits shall be the part of this contract and price for the same to be factored in total quoted price. However, visits beyond 10 No's shall be paid extra @ Rs. 20,000 per visit (these charges will be inclusive of all expenses towards travel and lodging). Such visit should be performed by the key professional consultant whose CV is to be submitted along with technical bid.
- d) Performance Ratio (PR) Test: The Consultant shall perform PR test post commissioning of the project.
- e) Quality Check Report: The Consultant shall submit quality check report for rectification by the EPC Contractor and shall check the as built drawings / documents submitted by the EPC Contractor post commissioning of project.

Timelines to Execute Work till preparation of RfP document

Sl.No.	Activity	Timeline
1	Allotment of Work	T ₀
2	Submission of Technical Feasibility Report.	T ₀ + 10 Days (T ₁)
3	Submission of Draft Detailed Project Report.	T ₁ +20 Days (T ₂)
4	Preparation of RfP documents	T ₂ + 15 Days

SECTION – 3

BID EVALUATION METHODOLOGY

1. OPENING OF BIDS:

Opening of Bids will be through online only.

- a) Bids duly submitted, will be opened on the date and time indicated in this document in the presence of bidders or their authorized representatives who desire to present.
- b) If due date of receipt / opening of bids happens to be a closed holiday, the bids would be received and opened on the next working day.
- c) REC PDCL reserves the right to postpone and/or extend the date of receipt/opening of Bids or to withdraw the Tender notice, without assigning any reason thereof. In any such cases, the bidders shall not be entitled to any form of compensation from the Company.

2. Techno-Commercial Evaluation of Bidders:

- a) All the received bids will be subjected to Techno-commercial evaluation as per Qualification Criteria defined. Only Qualified bids will be considered for further evaluation. On completion of Techno-commercial bid evaluation, if it is found that only one bidder is eligible for that particular Project, opening of the financial bid of the bidder will be at the discretion of RECPDCL. Thereafter, RECPDCL will take appropriate action as deemed fit.
- b) The evaluation of financial bid will be done & price bids through e-procurement only. Eligible bid carrying lowest offer will be awarded the work. However, RECPDCL reserve the right conduct e-RA, at its own discretion.
- c) The basis of evaluation shall be the price quoted in the financial bid. To further clarify, the evaluation would be based on total price taking into consideration all applicable taxes which shall be summed up for comparison and evaluation.
- d) If the first-round price quoted is same for two or more Bidders, then all the Bidders with same price shall be considered of equal rank/ standing in the order.
- e) All Bidders with same price shall be eligible for reverse auction round (provided their rank is equal to or less than nth Bidder

Bidder	Submitted Financial Bid	Ranking
B1	90,00,000	L1
B2	91,50,000	L2
B3	95,00,000	L3
B4	95,00,000	
B5	1,05,00,000	L4
B6	1,30,00,000	L5

3. Reverse Auction:

The Total eligible bidders for the Project for reverse auction shall be decided as mentioned below:
Assuming

T = Total Techno-Commercially Qualified Bidders, and

n= Total number of bidders eligible to participate in e-RA

Case	Condition	Formula	Total Eligible Bidders for e-RA
Case - 1	$T \leq 2$	$n = T$	From 1st to 'n'th bidder in ascending order
Case - 2	$T > 2$	i) $A = (T/2)$ if 'T' is even, and ii) $A = ((T+1)/2)$ if 'T' is odd $n = A$ or 2 whichever is higher	

At least two days prior to reverse auction, an advance intimation regarding the date and time of the reverse auction will be sent by e-mail to all the bidders whose technical bids have been opened and found to be qualified. However, from this advance intimation it shall not be construed by the bidders that they have been shortlisted for Reverse Auction. Further, at least two hours before the schedule start time of Reverse Auction, a system generated email for invitation for Reverse Auction will be sent to shortlisted bidders for e-RA.

SECTION- 4

COMMERCIAL TERMS, CONDITIONS & OTHER PROVISIONS

1. PAYMENT TERMS:

Sl.No.	Project Milestone	Percentage of contract payment at each stage	Deliverable
1	Submission of Detailed Project Report (DPR)	10%	On submission of final DPR as per Scope of Work, Section – 2, Clause -1.
2	Preparation of RfP Document including all technical specifications and O&M agreement.	10%	Signing of Agreement with selected turnkey EPC contractor as per Scope of Work, Section – 2, Clause -2.
3	Payment with work progress		
3.1	Review of Major Drawings submitted by turnkey contractor (SLD, Plant Layout, GTP of Modules, Inverters, Cables, Transformers, VCB, Meters, Protection scheme and Power Evacuation Plan etc.)	15%	Approved drawings with all comments after incorporating all changes as suggested by RECPDCL as per Scope of Work, Section – 2, Clause -3 (a).
3.2	Installation of major electrical equipment's like transformers, Inverters, AC Cabling, DCDB, ACDB etc.)	25%#	Submission of certificate duly certify by engineer in charge.
3.3	Installation of solar modules on floaters and commissioning	30%#	
4	Project Closure	10%	Acceptance of Performance Evaluation Report as per Scope of Work, Section – 2, Clause -3 (d) & (e).
Total		100%	

Note:

1. Final Payment will be released after submission of final claim certificate submitted by bidder.

2. SIGNING OF CONTRACT AGREEMENT:

Finally selected firm will submit the sealed copy of the purchase / work order signed on each page on behalf of the firm as token of acceptance to execute the work as per the terms and conditions laid down in this tender document and Work Order. Selected firm will also execute/sign Contract Agreement with RECPDCL on India Non-Judicial Stamp paper with validity from starting date of Work Order scope activities.

3. FORCE MAJEURE:

Force majeure shall mean any cause, existing or future, which is beyond the reasonable control of Bidder or RECPDCL including, but not limited to, acts of God, storm, fire, floods, explosion, epidemics, quarantine, earthquake, strike, riot, lock out, embargo, interference by civil or military authorities, acts, regulations or orders of any governmental authority in their sovereign capacity, acts of war (declared or undeclared) including any acts of terrorism, and all other such acts of similar or analogous nature (where

all such acts to be collectively referred to as “Force Majeure”). RECPDCL and Bidder shall not be liable for the failure to perform any obligation in terms of this Proposal if and to such extent such failure is caused by a Force Majeure, provided that none of such acts of Force Majeure will relieve the Customer from meeting its payment obligations.

4. DISPUTE:

For adjudication of any dispute between RECPDCL and the bidder arising in any case, reference can be made to any Law courts under the jurisdiction of New Delhi High Courts only.

The Addl. Chief Executive Officer, RECPDCL reserves the right to accept or reject any or all tenders without assigning any reason thereof.

I/We have carefully read and understood the above terms and conditions of the tender and agree to abide by them.

(SIGNATURE OF BIDDER WITH SEAL)

Designation:

Name:

Date:

SECTION- 5

QUALIFICATION REQUIREMENT

RECPDCL had empanelled 11 agencies for who may participate in this limited tender. List of empanelled agencies are as below:

Sl. No.	Name of agencies
1	M/s Fichtner Consulting Engineers (India) Pvt. Ltd.
2	M/s TÜV India Pvt. Ltd.
3	M/s Sunworks Energy Pvt. Ltd.
4	M/s TÜV SÜD South Asia Pvt. Ltd.
5	M/s Mitcon Consultancy & Engineering Services Ltd.
6	M/s Sgurr Energy India Private Limited
7	M/s TATA Consulting Engineers Limited
8	M/s Tractebel Engineering Pvt. Ltd.
9	M/s Arcedo Systems
10	M/s Gensol Engineering Ltd.
11	M/s Sunrator Technologies LLP

Technical Qualification Requirement:

- The Consultant should have successfully provided Consultancy/ Engineering Services for floating Solar PV Power Plant for at least 500 kWp capacity.
- The consultant shall submit relevant work order and completion certificate /any documentary evidence issued by project owner.

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ANNEXURE-1

Letter for Submission of Bid

(To be submitted on Company's letterhead duly signed)

To,

Addl. Chief Executive Officer
REC Power Development and Consultancy Limited,
REC World Headquarters, Plot No. I-4
Sector 29, Gurugram, Hariyana-122007

Sub.: Selection of Technical Consultant for providing consultancy services for floating Solar Project.

Dear Sir,

1. We wish to apply for Bid against RECPDCL's Tender no: **RECPDCL/Solar/e-Tender/2021-22/2781 Dated: 18.02.2022** for "**Selection of Technical Consultant for providing consultancy services for floating solar power plant**" as per the requirements of RECPDCL.

Further, I hereby certify that-

2. I have read the provisions of all clauses and confirm that notwithstanding anything stated elsewhere to the contrary, the stipulation of all clauses of Tender are acceptable to me and I have not taken any deviation to any clause.
3. I further confirm that any deviation to any clause of Tender found anywhere in my Bid, shall stand unconditionally withdrawn, without any cost implication whatsoever to the RECPDCL.
4. Our bid shall remain valid for period of 180 days from the last date of bid submission.

Date:
Place:

Signature:
Full Name:

Designation:
Address:

Note:

In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.

ANNEXURE- 2
Bidder's General Details

(To be submitted on Company's letterhead duly signed)

Selection of Technical Consultant for providing consultancy services for floating Solar Project.

GENERAL DETAILS

1. Name of Company : _____
2. Name : _____
3. Regd. Address :
 - a) Address of Office : _____
 - b) Contact Person's
 - i. Name & Design.: _____
 - ii. Address : _____
 - iii. Tel No. Landline Mobile: _____
 - iv. Email ID : _____
4. Type of Firm (Please tick): Private Ltd./Public Ltd./LLP
5. PAN No. : _____
6. Service Tax Reg. Certificate No.: _____

Signature.....

Full Name.....

Designation.....

Address.....

ANNEXURE- 3

Earnest Money Deposit Declaration
(To be submitted on bidder's letterhead)

Whereas, I/we (name of agency).....have submitted bids for(name of Service)
for tender no.....dated

I/we hereby submit following declaration in lieu of submitting Earnest Money Deposit.

1. If after the opening of tender. I/we withdraw and/or modify my/our bid during the period of validity of tender (including extended validity of tender) as specified in tender documents.
2. If, after the award of work .I/we fail to sign the contract or to submit the performance guarantee before the deadline defined in the tender documents.

I/we shall be suspended for one year and shall not be eligible to bid for REC Power Development and Consultancy Limited tenders from date of issue of suspension order.

Date:

Signature with Seal of bidder(s)

Place:

Full Company Address & contact Details

ANNEXURE- 4

Financial Bid

(To be submitted through Online Only)

Selection of Technical Consultant for providing consultancy services for floating Solar Project.

REC POWER DEVELOPMENT AND CONSULTANCY LIMITED					
Tender Inviting Authority: Addl. C.E.O.					
Name of Work: Selection of Technical Consultant for providing consultancy services for floating Solar Project.					
NIB No.: RECPDCL/Solar/e-Tender/2020-21/2781 Dated: 18.02.2021					
Bidder Name:					
Sl. No.	Item Description	Total Price excluding GST	GST (%)	GST Amt. (Rs)	Net Rate including GST
1	2	3	4	5	6
1	Charges towards consulting services as Technical Consultant for floating solar power plant as per Scope of Work as defined in Section-3.		18%		
TOTAL Rate including GST					

(AUTHORIZED SIGNATORY)

NAME:

SEAL:

Note:

1. RECPDCL reserve the right to conduct e-RA on solar discretion of RECPDCL.

ANNEXURE- 5
PERFORMANCE BANK GUARANTEE (PBG) FORMAT

M/s REC Power Development and Consultancy Limited

D- Block, REC Corporate Headquarter, Plot No. 1-4, Sector-29, Gurugram (Haryana)-122001

Landmark: Near IFFCO Chowk Metro Station

OUR LETTER OF GUARANTEE NO.:

In consideration of REC Power Development and Consultancy Ltd., having its office at

.....

(Hereinafter referred to as "RECPDCL" which expression shall unless repugnant to the content or meaning thereof include all its successors, administrators and executors) and having issued NIT/Work Order No.

.....dated with/on M/s

.....

(Hereinafter referred to as "The Agency" which expression unless repugnant to the content or meaning thereof, shall include all the successors, administrators, and executors).

WHEREAS the Agency having unequivocally accepted to perform the services as per terms and conditions given in the NIT/Work Order No. dated

And RECPDCL having agreed that the Agency shall furnish to RECPDCL a Performance Guarantee for the faithful performance of the entire contract, to the extent of% (..... Percent) (or the Percentage as per the individual case) of the value of the NIT/Work Order i.e. for

.....

We,("The Bank") which shall

include OUR successors, administrators and executors herewith establish an irrevocable Letter of Guarantee No.in your favour for account

of..... (The Agency) in cover of performance guarantee in accordance with the terms and conditions of the NIT/Work Order.

Hereby, we undertake to pay up to but not exceeding (say only) upon receipt by us of your

first written demand accompanied by your declaration stating that the amount claimed is due by reason of the Agency having failed to perform the NIT/Work Order and despite any contestation on the part of above named agency.

This letter of Guarantee will expire on including 90 day of claim period and any claims made hereunder must be received by us on or before expiry date after which date this Letter of Guarantee will become of no effect whatsoever whether returned to us or not.

Authorized Signatory
Chief Manager/ Manager
Seal of Bank

Note: The date shall be 90 days after the date of completion of contract.

ANNEXURE-6

FINAL CLAIM CERTIFICATE
(To be submitted on final fill settlement)

(To be submitted by Bidder on Rs. 100 stamp with Notarized)

I,..... (Name of Director) of M/s..... (Name of Bidder) here by state that we have completed work forin all respect. We have submitted our final bill No..... datedand except for this bill and PBG we have no further claim whatsoever of any description, on any account whatsoever from RECPDCL, against aforesaid job executed by us.

Dated:

(Seal & Signature)

ANNEXURE-7

CHECKLIST FOR SUBMISSION OF BID

1. Submission of Technical Bid:

Sl.No.	Head	Description
1	Qualification Requirement	The consultant shall submit relevant work order and completion certificate /any documentary evidence issued by project owner.
2	Annexure - 1	Letter for Submission of Bid on bidder's letter head.
3	Annexure - 2	Bidder's General Details on bidder's letter head.
4	Annexure - 3	Earnest Money Deposit Declaration on bidder's letter head.
5	Key Professional	One (1) number of CV/Resume of key professional.
6	RfP Document	Signed RfP Document as acceptance of all terms and conditions of issued RfP.
7	EMD e-receipt	Bidder shall submit e-receipt of EMD having amount Rs. 50,000/-.

Note: Bidder's are advised to keep all documents in the order defined here in Sl.No.-1.

2. Submission of Financial Bid:

Sl.No.	Head	Description
1	Financial Bid	Financial Bid as per Annexure - 4

Note: All the documents (Technical bid and Financial Bid) shall be submitted online through tendering portal only. Submission of documents through hard copy shall not be entertained.
