

INVITATION FOR BIDS (IFB)

For

Implementation of 50 MWp Grid Connected Roof Top and Small Ground Mounted Solar Power Plants for Government Buildings in Different States/ Union Territories of India under RESCO Model.

(SINGLE STAGE TWO ENVELOPE BIDDING).

Date of Issuance of NIT : 08/07/2023

- 1.0 One of the targets enshrined by the Government under the "Panchamrit" announced by Hon'ble Prime Minister at the COP 26 summit in Glasgow, is meeting 50% of total energy requirements from renewable energy by 2030.
- 2.0 Accordingly, several Government organizations, Ministries and other institutions have taken necessary steps to install Grid-Connected Rooftop Solar PV Projects at their premises/buildings, to increase electricity consumption through renewable energy.
- 3.0 The implementation of aforesaid Project has been entrusted to RAJASTHAN ELECTRONICS & INSTRUMENTS LTD. on behalf of Govt. of Rajasthan & allocated Ministries to REIL. REIL is a Central Public Sector Enterprises, incorporated under the Companies Act, 1956, having its Registered Office at 2, Kanakpura Industrial Area, Sirsi Road Jaipur 302034 (hereinafter referred to as REIL/ Employer).
- 4.0 REIL, therefore, invites sealed bids from eligible bidders to participate in Notice Inviting Tender (NIT) for Site Survey, Design, Manufacture, Supply, Erection, Testing and Commissioning along with associated power evacuation & transmission system including Warranty, 25 years Operation and Maintenance of Roof Top Solar PV Power System for Government Buildings in Different States/ Union Territories of India under RESCO Model.
- 5.0 For the implementation of above mentioned work, Bidders should submit their bid proposal online complete in all aspect on or before Last date of Bid Submission as mentioned on the Bid Information Sheet of NIT document.
- 6.0 Bidder shall submit bid proposal along with non-refundable bid processing fee complete in all respect as per the Bid Information Sheet. Techno-Commercial bids will be opened as per the Bid Information Sheet in online presence of authorized representatives of bidders who wish to be present. Bid proposals received without the prescribed bid processing fees will be rejected. In the event of any date indicated above is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein.
- 7.0 Bid documents which include Eligibility Criteria, Technical Specifications, various Conditions of Contract and Formats etc. can be downloaded from REIL website www.reiljp.com or from Central Public Procurement Portal (www.eprocure.gov.in) It is mandatory to download official copy of NIT Document from REIL website www.reiljp.com or from Central Public Procurement Portal in order to participate in the Tender. Any amendment(s)/corrigendum/clarification(s) with respect to this Bid shall be uploaded on Central Public Procurement Portal only. The Bidder should regularly check for any Amendment(s)/Corrigendum/Clarification(s) on the above portal only.
- 8.0 The bidding process under this NIT is for 50 MWp comprising of RESCO Model.
- 9.0 This is a State wise bidding.
- 10.0 REIL reserves the Right of Transfer of capacities from one state to another state with matching of L-1 Price of that state as per requirement of the project.

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	5 of 152	
हेतु ई-निविदा			



- 11.0 This NIT may be withdrawn or cancelled by REIL at any time without assigning any reasons thereof. REIL further reserves the right, at its complete discretion, to reject any or all of the Bids without assigning any reasons whatsoever and without incurring any liability on any account.
- 12.0 The bidding process under this NIT is only for government buildings in Different States/ Union Territories of India.
- 13.0 Bidder can apply for minimum one state and maximum all the state as per Table-3 subject to minimum 1/3 capacities in a particular state/UT (i.e. For the state Himachal Pradesh, bidder can bid minimum 500 KWp and maximum 1500 KWp). Preference will be given to those bidders who participated for full capacity .If number of bidders who participated for full capacity are less than 3 bidders for each state then offer of bidders opting partial capacity will be consider to full fill the capacity of that state.
- 14.0 The detailed scope of work includes:
- 14.1 State wise tentative potential has been enclosed herewith in this NIT documents as Annexure -II. Successful bidders are requested to visit the respective sites & others sites and check the feasibility of space including installation capacity in consultation with respective site in charge / owner. Successful bidders need to submit project sanction documents (PPA agreement between successful bidder and the rooftop owner(s) at the quoted tariff as per NIT and project report for the approval of REIL for issuance of project specific sanction letter(s). The PPA shall be executed in the prescribed format attached herewith this NIT document which have been provided by Ministry of New and Renewable Energy. However, REIL shall facilitate the process.
- 14.2 The Scope of the Work would essentially cover, but not limited to Site Survey of Identified Roof Tops and surplus lands, Identification of New Roof Tops and surplus land, Site Visit, Solar Potential Assessment, Finalization of plant capacity for Identified Locations, execution of PPA (in the prescribed format attached herewith this NIT document), Design, Engineering, Manufacture, Supply, Storage, Civil work, Erection, Testing & Commissioning , Interconnections with the grid for net metering & obtaining all statutory approvals, quality control of the grid connected rooftop Solar PV Project including Operation and Maintenance (O & M) of the project for a period of 25 years after commissioning of project. Any additional modification work of the roof tops solar power plant in order to implement the system/project shall be in the scope of successful bidder.
- 15.0 Bid Security / EMD shall be furnished as capacity listed out in the NIT along with the response to NIT as per Clause of Bid Information Sheet. Bid Security / EMD shall be enclosed in a sealed envelope and shall be submitted in the office of REIL.
- 16.0 PBG amount shall be furnished by the successful bidder after issuance of LOA / NOA by REIL.

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	6 of 152	
हेतु ई-निविदा			



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.
- A time of day shall save as otherwise provided in any agreement or document be construed as 3. 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.
- The table of contents and any headings or sub headings in the contract has been inserted for 5. case of reference only & shall not affect the interpretation of this agreement.

BID INFORMATION SHEET

Document Description	Implementation of 50 MWp Grid Connected Roof Top and Small Ground Mounted Solar Power Plants for Government Buildings in Different States/ Union Territories of India under RESCO Model.	
NIT No.& Date	REIL/BID/PROJECT/2023-24/002 dated 08/07/2023	
Location	Different States/ Union Territories of India (List of Proposed Govt. Buildings are enclosed in the Annexure-II. It may be noted that the list is indicative only. Final feasibility of space and capacity shall be assessed by respective bidders.	
Downloading of NIT document	From 18:00 HRS 08/07/2023 on CPP Portal / REIL website (www.eprocure.gov.in / www.reiljp.com)	
Period of work	PPA Signing - With in 18 Months from the date of issuance of NOA/LOA. Work Completion –With in 6 Month from the date of Signing of PPA with beneficiary.	
Pre-bid Conference / Clarification	17/07/2023 at 15:00 HRS to be held at REIL, 2, Kanak	
Meeting	Pura Ind. Area, Sirsi Road, JAIPUR - 302034	
Last date & Time for Online Submission of bids	28/07/2023 upto 18:00 HRS	
Last date & Time for physical submission of offline document at REIL office, JAIPUR	31/07/2023 upto 11:00 HRS	
Online Bid Opening (Techno-Commercial)	31/07/2023 at 15:30 HRS	
Financial Bid Opening	To be intimated subsequent to short listing of techno- Commercial bids.	
Estimated Cost	Rs. 22.50 Lakh / MWp	
Bid Processing Fee (Non- Refundable)	e) Rs. 10,000/- (Rupees Ten Thousand) (to be submitted in the form of DD / Banker's Cheque/RTGS, along with the bid in favour of "Rajasthan Electronics & Instruments Ltd., payable at Jaipur.	
Bid Security / EMD	Bid Security / EMD INR 0.45 Lakh per MWp (Indian Rupees Fourty Five Thousand only) (To be submitted in the form of DD/Bank Guarantee along with the bid).The	

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	7 of 152	
हेतु ई-निविदा			



minimum validity period of BG should be up to 06
Months from the Bid Deadline, may be extended as per
request / instruction of REIL.

Name, Designation, Address and other details (For Submission of Response to RfP)	
Details of persons to be contacted in case of any assistance required	Addl. General Manager (Project) Tel 0141 – 2470062,2470363 Mobile-7727011722 Email-kamlesh.singh@reil.co.in

Prospective **Important** Note: **Bidders** requested to remain updated are any notices/amendments/clarifications etc. to the tender document through the websites www.reiljp.com www.eprocure.gov.in. notifications issued No separate will be notices/amendments/clarifications etc. in the print media or individually. Intimation regarding notification/amendments/clarifications etc. shall be updated on www.reiljp.com and the details will only be available from www.eprocure.gov.in .

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	8 of 152	
हेतु ई-निविदा			



PART भाग - II

INSTRUCTIONS TO BIDDERS

बोलीदाताओं के लिए निर्देश

(ITB)

(निविदा सं.: REIL/BID/PROJECT/2023-24/002)



RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

राजस्थान इलेक्ट्रॉनिक्स एंड इंस्ट्रमेंट्स लिमिटेड

(An ISO 9001:2015 &14001:2015 'Mini-Ratna' Central Public Sector Enterprise) एक आईएसओ 9001:2015 और 14001:2015 'मिनी-रत्न' केंद्रीय सार्वजनिक क्षेत्र उदयम

- 2, Kanakpura Industrial Area, Sirsi Road, Jaipur 302034
 - 2, कनकप्रा औद्योगिक क्षेत्र, सिरसी रोड, जयप्र 302034

Tel/ दूरभाष:: +91-141-2470062, +91-141-2470363,

Fax/फैक्स- +91-141-2470139

Website/वेबसाइट- http://www.reiljp.com

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	9 of 152	
हेतु ई-निविदा			



1. **INTRODUCTION**

1.1 REIL has been designated as implementing agency for implementation of grid connected roof top and small solar power plants programme of MNRE. The generated solar power may be utilized for captive application and the surplus power may be fed to the grid. The aims for this project to reduce the fossil fuel based electricity and make buildings self-sustainable from the point of electricity, to the extent possible. This NIT is with aggregate capacity of 50 MWp in different States/ Union Territories of India envisages installation of grid-connected roof top solar PV projects on the roofs of Government /Semi Govt./Autonomous bodies buildings broadly in following categories:

Table- 1.1 **List of categories of Government Buildings:**

(i)	Government Buildings	Buildings of both Central & State Government, Loca Government covering all Government Offices	
(ii)	Government Institutions	GovernmentInstitutions,Public Sector Undertakings all buildings owned by Government directly or by any Government owned societies, companies, corporations, Institutions or Organizations, Government educational/ health institutions etc.	

- There is no incentive / subsidy in this project. Therefore bidder should quote the levelized tariff 1.2 accordingly.
- 1.3 The Project Cost of the project is as given below.

Table -1.2

SNo.	Description	General Category States	Special Category States /
		/ UTs	UTs
1	Project Cost / KWp	Rs. 50,000/-	Rs. 58,000/-

Note: Special Category States /UTs include - All North East States including Sikkim, Uttarakhand, Himanchal Pradesh, Jammu & Kashmir and Leh & Ladakh, Andaman & Nicobar Islands and Lakshadweep Islands

- On behalf of Government Department of different Ministries and Govt. of Rajasthan, REIL, 1.4 which expression shall also include its successors and permitted assigns, hereby invites interested companies to participate in the bidding process for the selection of successful bidder(s)/developer(s) for implementation of grid-connected Roof Top and Small Ground mounted Solar Power Plants in the different States/ Union Territories of India as per NIT Annexure-II.
- 1.5 The Bidder is advised to read carefully all instructions and conditions appearing in this document and understand them fully. All information and documents required as per the bid document must be furnished. Failure to provide the information and / or documents as required may render the bid technically unacceptable.

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	10 of 152	
हेतु ई-निविदा			



The bidder shall be deemed to have examined the bid document, to have obtained his own information in all matters whatsoever that might affect carrying out the works in line with the scope of work specified elsewhere in the document at the offered rates and to have satisfied himself to the sufficiency of his bid. The bidder shall be deemed to know the scope, nature and magnitude of the works and requirement of materials, equipment, tools and labour involved, wage structures and as to what all works he has to complete in accordance with the bid documents irrespective of any defects, omissions or errors that may be found in the bid documents.

2. **BID DETAILS**

2.1 The bidding process under this NIT is for 50 MWp capacities under RESCO Model in different States/ Union Territories of India as per Annexure-II of NIT. Bidder should quote levized tariff (Rs. per KWh) for 25 years. Bidder has to quote seperaely for State /UT as per the eligibility criteria.. An indicative capacity allocated to the different states is mentioned below in the table-1.3.

TABLE-1.3

	STATE WISE TENTATIVE CAPACITY				
S.No.	State/UTs	Category	Tentative Capacity (KWp)		
1.	Andhra Pradesh	General	1540		
2.	Andaman & Nicobar Islands and Lakshyadeep Islands	Special	1500		
3.	Bihar	General	2680		
4.	Goa	General	520		
5.	Gujarat	General	3050		
6.	Himachal Pradesh	Special	1500		
7.	Jammu & Kashmir and Leh & Ladakh	Special	1500		
8.	Jharkhand	General	2030		
9.	Karnataka	General	2300		
10.	Kerela	General	815		
11.	Maharashtra	General	6270		
12.	New Delhi	General	4345		
13.	Odisha	General	1985		
14.	Punjab & Chandigarh	General	2640		
15.	Rajasthan	General	8490		
16.	North Eastern States(Sikkim, Tripura, Assam, Arunachal Pradesh, Manipur, Nangaland, Meghalya)	Special	2580		
17.	Telangana	General	1910		
18.	Uttrakhand(Specicial Category)	General	1940		
19.	West Bengal	General	2405		
_	Grand Total		50000		

Bids are invited from the prospective bidders for the Tendered Capacity as indicated in 2.1.1 Annexure-II against each State. The bidding is in levellized tariff excluding taxes & duties (ie.GST). GST on levized tariff will be paid extra as per applicable norms. Bidders will be required to furnish a levelized fix tarrif for 25 years starting from the date of

नेविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
2023-24/002	11 of 152	
		C



> commissioning of the Project Capacity will be allocated based on the lowest levellized tariff for 25 years quoted by the bidder for each state subject to Clause 3.2 of NIT.

Maximum allowable levellized tariff for this NIT over 25 years including taxes & duties as 2.1.2 follow:

Levelized Ceiling Tariff (Rs / kWh) for sites falling under General Category States/ UTs	5.15
Levelized Ceiling Tariff (Rs / kWh) for sites falling under Special Category States/ UTs	6.25

2.1.3 The bids with levellized tariff in excess of above said levellized tariffs shall be out rightly rejected.

2.2 **SIZE OF THE PROJECTS:**

- The size of each project shall be above 20 KWp. One project may however comprise of several rooftop units. Each project separately connects with the grid and may have separate meters as per Discom's connection.
- The final capacity to be installed will be determined at the time of signing of PPA between the Developer and Beneficiary.

2.3 **BID CAPACITY:**

- 2.3.1 The Bidder may apply for different States/ Union Territories of India as per eligibility
- 2.3.2 Bidder can apply for minimum 1/3 capcity in a particular state and entire capcity in all states..
- 2.3.3 REIL reserves the right to allocate part capacity to the bidder in any state.

3.0 **INSTRUCTION TO THE BIDDERS**

3.1. General:

- 3.1.1 Bidder must meet the eligibility criteria independently as Bidding Company.
 - a) Bidder will be declared as a Qualified Bidder based on meeting the eligibility criteria and as demonstrated based on documentary evidence submitted by the Bidder in the Bid.
 - b) Further in-case where the bidding company has used the financial eligibility criteria of its parent company then it needs to be ensured that any change in the controlling equity of the Bidding company requires prior approval of REIL.
- 3.1.2. Bidder can use the financial strength of its Parent Company/Affiliate's to fulfil the Financial Eligibility criteria mentioned below. In such case, Bidders shall submit an Undertaking from the Parent Company or Affiliate as per Format - 9 and also furnish a certificate of relationship of Parent Company or Affiliate with the Bidding Company as per Format - 8, Company Secretary certificate towards shareholding pattern of the Parent Company and the Bidding Company as per Format A, along with a Board resolution from the Parent Company.
- NB: If the bidder's submitted information is found to be false declaration or misrepresentation, the bidder(s) shall be out rightly rejected and may even debarred or blacklisted from REIL's future tenders.

3.1.3 **INSTRUCTIONS TO BIDDERS FOR E-TENDERING**

3.1.3.1 General

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	12 of 152	
हेत् ई-निविदा			



> The Special Instructions (for e-Tendering) supplement Section 3.1.3 'Instruction to Bidders', as given in this Notice Inviting Tender (NIT) Document. Submission of Online Bids is mandatory for this Tender. Bidder must be uploaded all the documents related to tender.

> E-Tendering is a new methodology for conducting Public Procurement in a transparent and secured manner. Now, the Government of India has made e-tendering mandatory. Suppliers / Vendors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, REIL has decided to use portal https://www.eprocure.gov.in through CPP portal. This portal is based on the world's most 'secure' and 'user friendly' software.

- 3.1.3.2 Specifically for Supplier (Bidding) organizations, the following KEY INSTRUCTIONS for BIDDERS must be assiduously adhered to:
 - (i) Obtain individual Digital Signing Certificate (DSC or DC) of either Class 2 or class 3 well in advance of your tender submission deadline on CPP Portal.
 - (ii) Register your organization on CPP Portal well in advance of the important deadlines for your first tender viz 'Date and Time of Closure of Procurement of Tender Documents' and 'Last Date and Time of Receipt of Bids'. Please note that even after acceptance of your registration by the Service Provider, to respond to a tender you will also require time to complete activities related to your organization, such as creation of users, assigning roles to them, etc.
 - (iii) Get your organization's concerned executives trained on CPP Portal well in advance for tender submission.
 - (iv) Submit your bids well in advance of tender submission deadline on CPP Portal (There could be last minute problems due to internet timeout, breakdown, etc.). If bidders fail to upload the bid on CPP Portal, REIL will not be responsible for the same.
 - (v) The Bidder must upload all the documents with self-attested by Authorized Person, related to NIT during Online Bid-Submission.
 - (vi) The envelope shall bear {the name of State(s) and Capacity}, the NIT No., the words 'DO NOT OPEN BEFORE' (due date & time) and mailing address of bidder with contact number and mail ID.

3.1.3.3 Other Requirements:

- (i)Minimum Requirements at Bidder's End
 - a.A Computer System with at least 1 GB RAM and Internet connectivity.
 - b.Internet connectivity with at least 2 Mbps speed.
 - c.Internet Explorer 7.0 or Mozilla Firefox or above.
 - d.Java Run Time Engine (JRE- 1.7.0) or higher
 - e.Digital Certificate(s)
- (ii) Any Further support and assistance:

50 मेगावाट ग्रिड कनेक्टेड रूफ टॉप एवं छोटे	निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
ग्राउंड माउंटेड सौर ऊर्जा संयंत्रों का कार्यान्वयन	/2023-24/002	13 of 152	
हेतु ई-निविदा			



REIL Helpdesk	
Telephone/ Mobile	Mobile Numbers: +91- 7727011722
Email-ID	Kamlesh.singh@reil.co.in

ELIGIBILITY CRITERIA 3.2

3.2.1 **GENERAL ELIGIBILITY CONDITIONS**

The Bidder should be a body incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or a Limited Liability Partnership, engaged in the business of Power / Infrastructure. A copy of certificate of incorporation shall be furnished along with the bid in support of above.

3.2.2 **TECHNICAL ELIGIBILTY CRITERIA:**

The Bidder must have experience in Design, Supply, Installation & Commissioning of Grid Connected Solar PV Power Plants of cumulative Capacity not less than 40 % of quoted capacity in the last 07 (Seven) Financial Years prior to the bid submission deadline of this RfS.

and

The Bidder must have experience in Design, Supply, Installation & Commissioning of at least 01 (one) Grid Connected Solar PV Power Plants of individual minimum capacities of not less than 100 kW in the last 07 (Seven) Financial Years prior to the bid submission deadline of this RfS. The Solar PV Power Plants and Solar Systems must be commissioned and should be operating satisfactorily for a period not less than 1 year.

Note: The Bidder shall submit applicable contract(s) and Project commissioning certificate(s) for the respective Project(s) and a certificate from the respective client(s) certifying satisfactory operation of the plant(s).

3.2.3 FINANCIAL ELIGIBILITY CRITERIA:

(a) The Minimum Average Annual Turnover (MAAT) of the bidder in the last three financial years (i.e. FY. 2020-2021, 2021-2022 & 2022-23) should be INR 1.5 Crores per MWp (Indian Rupees one Crore and fifty Lakh per MWp) on standalone basis. This must be the I Company's turnover / Parent Company or Affiliate's turnover. A summarized sheet of average turnover certified by registered CA should be compulsorily enclosed along with corresponding annual accounts.

OR

Net worth equal to or greater than the value calculated at rate of Rs. 1.0 Crore per MWp of capacity offered by the Bidder in its Bid. "Net Worth" of the Bidder shall be calculated as per Company Act 2013.

- (b) Bidders shall furnish documentary evidence as per the Format 7, duly certified by Authorized Signatory and the Statutory Auditor / Practicing Chattered Accountant of the Bidding Company in support of their financial capability.
- (d) The Bidder will provide a copy each of audited annual report of previous three financial years for ascertaining their turnover and Net Worth for the purpose of verification.

निविदा नं.: REIL/BID/PROJECT	पृष्ठ	बोली दाता के हस्ताक्षर
/2023-24/002	14 of 152	