



**RAJASTHAN ELECTRONICS & INSTRUMENTS LIMITED, JAIPUR**  
(An ISO 9001 : 2015 & 14001 : 2015 “Mini Ratna” Central Public Sector Enterprise)  
2, KANAKPURA INDUSTRIAL AREA, SIRSI ROAD,  
JAIPUR-302034

Tel No: 0141- 2470062 ,2470363

e-mail: kamlesh.singh@reil.co.in website: www.reiljp.com

“Design, Supply, installation, testing, Commissioning with  
Comprehensive Operation & Maintenance for 5 years of 1650 Nos.  
Solar Street Light Systems in rural and tribal areas of Nashik District  
of Maharashtra on turnkey basis“

**NIT No.: REIL/PROJECT/ REC-SSLS/2021-22/001 DATED 19.07.2021**

### **Important Dates**

Date & Time of Pre-Bid Meeting e-tenders( On Line)

**29/07/2021 at 1100 (IST)**

Last Date & Time for submitting e- tender:

**14/08/2021, up to 1800(IST)**

Date & Time for Techno- Commercial Bid opening  
of e-tenders

**16/08/2021 at 1100 (IST)**

**THIS TENDER DOCUMENT CONTAINS**

<b>TOPIC</b>	<b>PAGE NO.</b>
PART - I : Invitation for Bids (IFB) / Bid Details	4 of 77
PART - II : Instructions to Bidders (ITB)	8 of 77
PART - III : Evaluation Criteria	19 of 77
PART - IV : General Conditions of Contract (GCC)	23 of 77
PART - V : Special Conditions of Contract (SCC)	26 of 77
PART - VI : Scope of Work & Technical Specification	33 of 77
PART- VII : Formats & Annexures	40 of 77
Format-15 : Price Bid	On Line and

## RAJASTHAN ELECTRONICS & INSTRUMENTS LIMITED, JAIPUR

Tender ref. : REIL/PROJECT/ REC-SSLS/2021-22/001

### **NOTICE INVITING TENDER**

This is a Notice Inviting Tender (NIT) for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.  
as per description and terms & conditions specified here in after:

#### **1.1 Item Description :**

<b>Sr /No</b>	<b>NIT No.</b>	<b>Description</b>	<b>Bid Submission date</b>
1	REIL/PROJECT/ REC-SSLS/2021- 22/001	NIT for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.	14/08/2021

**1.2 e-Tendering Procedure:** The LSTK Project shall be carried out through submission of online tenders only. No offer in physical form will be accepted other than specified in NIT and any such offer if received by REIL will be out rightly be rejected. Tender documents can be downloaded from our website [www.reiljp.com](http://www.reiljp.com) or website of CPPP [www.eprocure.gov.in](http://www.eprocure.gov.in). Final bids are to be submitted on website [www.eprocure.gov.in](http://www.eprocure.gov.in). Any changes modification in the tender enquiry will be intimated through above Websites only. Bidders are therefore, requested to visit our Websites regularly to keep themselves updated.

The bidder should have a valid Digital Signature certificate issued by any of the valid certifying Authorities to participate in the online tender.

The bids shall be uploaded in electronic form only through e-tendering system on website [www.eprocure.gov.in](http://www.eprocure.gov.in)

#### **1.3 Bid should be submitted as per following instructions only:**

Documents duly signed on each page or digitally signed to be uploaded in the e-tender portal .

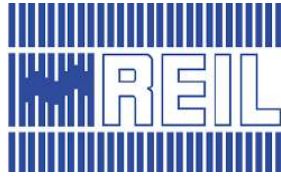
**Note: e-Procurement system does not allow submission of documents after due date of tender. Incomplete form or non-submission of documents to verify details may results into rejection of your offer and no Communication shall be done for submission of documents.**

**Price Bid:-** Price Schedule i.e.BOQ given with tender is to be uploaded after filling all relevant information like basic prices, taxes & duties. The priced BOQ should be uploaded strictly as per the format available with the tender failing which the offer is liable for rejection (renaming or changing format of BOQ sheet will not be accepted by the system)

Note:- Any Supplier/Vendor/Contractor who has been blacklisted by REIL/ /MNRE/PSU/SNA will not be considered for participating in the bid.



Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .



## **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

(An ISO 9001:2015 & 14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

2, Kanakpura Industrial Area, Sirsi Road, Jaipur – 302034

INVITING E-TENDER

On Behalf of



**REC FOUNDATION ( CSR Arm of REC Ltd.)**

FOR

“Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis“

**NIT No.: REIL/PROJECT/ REC-SSLS/2021-22/001**

Dated: 19/07/2021

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 1 of 77	Signature of Bidder
--	---	--------------	---------------------



## TABLE OF CONTENT

TOPIC	PAGE NO.
PART - I : Invitation for Bids (IFB) / Bid Details	4 of 77
PART - II : Instructions to Bidders (ITB)	8 of 77
PART - III : Evaluation Criteria	19 of 77
PART - IV : General Conditions of Contract (GCC)	23 of 77
PART - V : Special Conditions of Contract (SCC)	26 of 77
PART - VI : Scope of Work & Technical Specification	33 of 77
PART- VII : Formats & Annexures	40 of 77
Format-15 : Price Bid	On Line and



### DISCLAIMER

1. Though adequate care has been taken while preparing the NIT document, the Bidders shall satisfy themselves that the document is complete in all respect. Intimation regarding any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten (10) days from the date of notification of NIT, it shall be considered that the document is complete in all respect and has been received / acknowledged by the Bidder(s). Bidders submitting their bids shall be deemed to have taken into consideration, all the circumstances affecting the execution of the contract. REIL shall not be responsible for the same.
2. Rajasthan Electronics & Instruments Ltd. (REIL) reserves the right to modify, amend or supplement this document as per clause 3.6 of ITB (part-II).
3. While this tender document has been prepared in good faith, neither REIL 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 act or omission on their part.

Place: Jaipur

Date: 19/07/2021

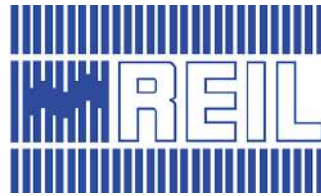
Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 3 of 77	Signature of Bidder
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# PART – I

## INVITATION FOR BIDS (IFB)

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



### **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

(An ISO 9001:2015 &14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

2, Kanakpura Industrial Area, Sirsi Road, Jaipur – 302034

Tel: +91-141-2470062,

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&

Website - <http://www.reiljp.com>

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 4 of 77	Signature of Bidder
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## INVITATION FOR BIDS (IFB)

### Objective of Project:

The demand of electricity has increased a lot in the last two decades and even after putting the best efforts to increase the generation of electricity, it has been realized that the ever growing demand cannot be met by conventional energy sources only. One of the ways of bridging this gap in energy demand and supply is by implementing Renewable Energy Power systems in rural/ semi urban/ urban areas, which will assist the utility grid in providing independent power to a dedicated load. This will reduce the load on the conventional power systems and results in saving of precious fossil fuels / energy resources. The application of Stand Alone Solar PV System finds more relevance in rural, semi urban areas where the load is very small and also the reliability and availability of conventional power is poor. There are many advantages of a Stand Alone PV system some include low maintenance, no waste or by-products, and easy expansion by using multiple solar panels and batteries. The transmission & distribution loss of utility grid is very high in rural areas where load is very small. Also, the community lighting infrastructure is very poor in rural areas of country.

REC Limited is willing to execute a CSR project in rural and tribal areas of Nashik District, Maharashtra for development of area through providing Solar Street Lights. Taking all these factors into account, REIL proposes for procurement, installation – commissioning of 1650 nos. of Solar Street Lights in rural and tribal areas of Nashik District of Maharashtra State under CSR activity of REC Limited through REC Foundation, which will help in reducing the dependency on grid and will provide nightlife security and extended night life in the rural areas.

Rajasthan Electronics & Instruments Limited (REIL) on behalf of REC Foundation ( CSR Arm of REC Ltd.) invites sealed bids (Technical & Financial) from competent agencies who have experience and proven track record of similar nature of work as described in PART - VI : Scope of Work & Technical Specification .

Interested parties may view and download the tender document containing the detailed terms & Conditions, free of cost from the website <http://eprocure.gov.in/> or <http://www.reiljp.com>.

Please see bid information sheet given below.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SLS/2020-21/001	Page 5 of 77	Signature of Bidder
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## **BID INFORMATION SHEET**

Document Description	NIT for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.
NIT No.& Date	REIL/PROJECT/REC-SSLS/2021-22/001 Dated : 19/07/2021
Name of Biding Organization & Location	Rajasthan Electronics & Instruments Limited ,JAIPUR-INDIA
Tender Type (Open / Limited / EOI / Auction / Single )	Open
Tender Category (Services / Goods / works)	Works
Type / Form of Contract (Work /Supply/ Auction/Service/Buy/Empanelment/Sell)	Buy
Bid Validity	180 Days
Downloading of NIT document	From 18:00 IST 19/07/2021 on CPP Portal / REIL website ( www.eprocure.gov.in / www.reiljp.com)
Period of work	10 Months from the date of issuance of Work Order (WO)
Defect Liability Period	5 Years from the date of issue of completion certifiacate.
Comprehensive O&M Period	5 Years from the date of issue of completion certifiacate.
Pre-bid Conference / Clarification Meeting ( On Line)	29/07/2021 at 11:00 IST to be held at REIL, 2, Kanak Pura Ind. Area, Sirsi Road, JAIPUR-INDIA, 302034 or On Line via Digital Plate form.Link will be shared later on via CPP Portal .
Last date & Time for Online Submission of bids	14/08/2021 upto 18:00 IST
Online Bid Opening (Techno-Commercial)	16/08/2021 at 11:00 IST
Financial Bid Opening	To be intimated subsequent to short listing of techno-Commercial bids.
Tender Documents Cost	Free of cost downloaded from CPP Portal / REIL website for all the bidders.
Bid Processing Fee	NIL
Bid Security / EMD	Bid Security / EMD - under taking should be submitted in place of Bid Security/ EMD.
Performance Security (PBG)	The successful bidder shall furnished with in 30 days from the date of issue of Work Order an unconditional and irrevocable bank guarantee for due Performance as per Format-4 attached and which shall be 3 % of Contract Value (Work order Value) and shall be valid up to 60 days beyond the successful completion of all the obligation of Work Order i.e 6 years .
Name, Designation, Address and other details (For Submission of Response to	Add.General Manager( P&MM) Rajasthan Electronics & Instruments Ltd.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 6 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

NIT)	2, Kanakpura Ind. Area, Sirsi Road Jaipur- India-302034 Mobil No.-+91-7727011713 Email-jitendra.kumar@reil.co.in
Details of persons to be contacted in case of any assistance required	DGM (Project Development) Mobil No.-+91-7727011722 Email-kamlesh.singh@reil.co.in

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

### **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 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.

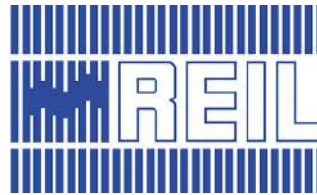
Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 7 of 77	Signature of Bidder
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## PART - II

# INSTRUCTIONS TO BIDDERS (ITB)

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



## RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

(An ISO 9001:2015 &14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 8 of 77	Signature of Bidder
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## 1. INTRODUCTION

### Organization:

Rajasthan Electronics & Instruments Ltd. (REIL) is a ISO 9001:2015 and ISO 14001:2015 "Mini Ratna "Public Sector Enterprise under administrative control of Ministry of Heavy Industries & Public Enterprises, Government of India, New Delhi .The Company was conferred the status of a "MINI RATNA" by the Department of Public Enterprises, Ministry of Industry, Government of India in 1997 on account of it's good all round performance and excellent products. The area of business extends to manufacturing and marketing of electronic products/ services in the agro-dairy sector, solar photovoltaic sector, and industrial electronics sector and information technology. REIL is also providing consultancy services in the field of Solar Power Plants, Street Light systems since last 5 years to the various organizations and has signed MoU's with various Organizations for development of solar projects as Project Management Consultant to provide turnkey solutions for establishing solar projects and approved manufacturer of SPV Modules / System from MNRE.

## 2. DETAILS OF BID :

Rajasthan Electronics and Instruments Limited (henceforth referred to as "REIL") has been appointed as Project Management Consultant (henceforth referred to as PMC) for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.

Brief site detail is given below,

SNO.	Tehsil /Taluka	Approx. QTY.
01.	Nashik Taluka	550
02.	Sinnar Taluka	406
03.	Igatpuri Taluka	694
<b>TOTAL</b>		1650

The detail of sites and site map are given at Annexure-C & Annexure-D of NIT. Bidders are advised to through the list as per Annexure-C & Annexure-D before Biding.

**Note:** The above details as provided are tentative, however it may vary at the time of actual Installation& commission of lights. Payment will be done as per actual installation & commissioning .

## 3. INSTRUCTION TO THE BIDDERS

### 3.1.1 General:

1) The current documents with all parts, annexures and formats form the bidding document, which is open to all prospective Bidders, requesting a proposal for implementation of the Project from the eligible bidders on a fixed price basis. A Contractor would be selected through competitive bidding process for execution of the Project. The selection process shall be through e - bidding process as per ITB Clause 3.1.2 . Bid inviting authority expects Bidders to confirm compliance to NIT terms, conditions and specifications at the time of submission of Bids, failing which the Bids are liable to be rejected. Hence, the Bidders in their own interest are advised to submit their Bids complete in all respects conforming to all terms and conditions of this Bidding documents.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 9 of 77	Signature of Bidder
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**Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .**

- 2) Bids shall be evaluated by REIL on behalf of on behalf of REC Foundation ( CSR Arm of REC Ltd.), based on the information/ documents furnished in the Bids submitted by the Bidders. Hence, Bidders are advised to ensure that they submit appropriate and relevant supporting documentation along with their proposal in the first instance itself. Bids not complying with the requirements of this Tender Document are liable to be rejected without any further opportunity.
- 3) Bidders need to ensure that in the event the Project is awarded to it, and during execution of the Project, it shall not seek to alter any agreed contractual terms, conditions and specifications.
- 4) All Bids must be accompanied by a Bid processing fees and Bid security of value as specified in the Bid Information Sheet of Part-1,IFB,in the form and manner as specified in the NIT document and must be delivered along with Bid.
- 5) It is mandatory for every bidder to submit their bid online. However, the bidder must also submit all the requisite original specified documents in hard form to the address specified in ITB Clause 3.10 on or before the due date , along with the online submission of the documents. In case of any discrepancy between the online and offline submitted documents, the documents uploaded online shall prevail.
- 6) The specification provided with this bidding documents outlines the functional requirements. The Bidder must submit a Proposal based upon their own design, meeting the functional requirements specified in the bidding documents, though this does not necessitates the Employer’s approval for such design as assumed by the bidder for purpose of bidding.
- 7) Bidders shall deploy the latest state-of-the-art technology and must ensure that the goods supplied are new, unused and of most recent or current models and incorporate all recent improvements in design and materials for the implementation of the Project.
- 8) The Bidder shall upload the digitally signed (by Authorized Signatory) ‘Bid document along with its Amendments, Clarifications & Addendums if any’ along with the other prescribed documents. Bids received without such documents prescribed above and not complying with the terms and conditions of bidding documents shall be ignored.
- 9) This is a ZERO deviation bidding documents. The Bidders shall ensure compliance of all provisions of the bid documents and submit their bid accordingly and shall submit an undertaking that they have not taken any deviations. Bids with any deviation to the bid conditions shall be liable for rejection.
- 10) The Employer/ REIL reserves the right to reject any Bid submitted with deviations beyond the one that is specified and mentioned in the NIT and no time shall be given in any circumstance after opening of Financial Proposal for submission of documents which are missing with Bid.
- 11) 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/ REC Ltd.’ s future tenders.

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

**3.1.2.1 General**

The Special Instructions (for e-Tendering) supplement Section 3.1.2 ‘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 / Contractors will be the biggest beneficiaries of this new system of procurement. For conducting electronic tendering, REIL has decided to use the portal <https://www.eprocure.gov.in> through CPP portal. This portal is based on the world’s most ‘secure’ and ‘user friendly’ software.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 10 of 77	Signature of Bidder
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3.1.2.2 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 class II 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.

**3.1.2.3 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:**

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





**3.2 ELIGIBILITY CRITERIA**

**3.2.1 GENERAL ELIGIBILITY CONDITIONS:**

- (a) The Bidder can be
  - A body corporate incorporated in India under the Companies Act, 1956 or 2013.
  - Or**
  - A Limited Liability Partnership Firm (LLP) registered under section 12 of Limited Liability Partnership Act, 2008 .
  - Or**
  - Partnership firm, registered under Partnership Act'1932
  - Or**
  - Registered Proprietorship Firm.
  - Or**
  - Joint Venture of two entities.
  - Or**
  - Bidding Consortium or Consortium (Max. 2 members i.e. One Lead Member and one Consortium Members) (Agreement format attached in NIT)
- (b) The bidder must be:
  - An Indian Firm and Should be in existence for at least 3 years from last date of submission of bid.
  - Should have a registered number of GST, TAN,PAN Number etc.
- (c) In case a bid is submitted by consortium,consortium should not consist of more than two members (including the Lead Bidder) and shall be formed under a duly stamped consortium agreement.The original stamped consortium agreement shall be submitted along with the Bid Document. No bidder, sole or a member of the consortium, can bid separately as a sole bidder or as part of any other consortium. This is applicable to any company where sole bidder/consortium member has majority shareholding. The list of Consortium Members needs to be declared in the bid which cannot be changed by the bidder later on. Memorandum of Understanding among the consortium members shall also be submitted clearly stating the roles and responsibilities of each member.
- (d) In case a bid is submitted by a Joint Venture (JV) , Joint Venture (JV) should not consist of more than two members (including the Lead Bidder), they must meet the following requirements:
  - i) The lead Partner shall meet, not less than 50% of the financial eligibility criteria as per clause 3.2.3 of ITB.
  - ii) The net worth of each Partner of JV should be positive.
  - iii) However, all the partners shall jointly meet the 100% financial eligibility criteria as per clause 3.2.3 of ITB.

**Note:**

- (i) A Joint Venture (JV), if incorporated as a Company, is required to submit Bid Security in the name of Joint Venture only. In case of JV has not formed a Registered Company, the Bid Security shall be submitted in the name of the Lead Partner.
- (ii) JV is also required to submit form of Power of Attorney and Form of undertaking by the JV partners.
- (iii) JV is also required to declare scope of work to be executed by each partner of JV.

**3.2.2 TECHNICAL ELIGIBILITY CRITERIA:**

01.Sole Bidder / any member of the consortium must have experience of similar Work contracts for supply of at least cumulative 500 nos. of Solar PV LED Street Lighting Systems during

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 12 of 77	Signature of Bidder
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**Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .**

last three years from the last date of bid submission in any any government authorities in India (Required Document certified from SNA/Gov. Organization/SECI/DISCOM/PSUs etc).

**Note :** The experience must be supported by work order issued by concerned department/authority.

and

02. Sole Bidder / any member of the consortium must have experience of similar Work contracts for Installation & commissioning of at least cumulative 1000 nos. of Solar PV LED Street Lighting Systems during last three years from the last date of bid submission in any any government authorities in India (Required Document certified from SNA/Gov. Organization/SECI/DISCOM/PSUs etc).

**Note :** The experience must be supported by work order & completion certificate issued by concerned department/authority.

**3.2.3 FINANCIAL ELIGIBILITY CRITERIA:**

- (a) The Minimum Average Annual Turnover (MAAT) of the sole bidder / Lead bidder of consortium in the last three financial years (i.e. FY. 2018-19 , 2019-20 and 2020-21 ) should INR 96 Lakh (Indian Rupees Ninety Six Lakh only ) or more.
- (b) Net worth of the bidder shall be positive as per latest audited annual report.
- (c) 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. Unaudited annual report for the financial years 2020-21, duly certified by Authorized Signatory and the Statutory Auditor / Practicing Chattered Accountant may be accepted.

**3.3 BID SUBMISSION BY THE BIDDER**

- 3.3.1 The whole project will be executed on turnkey basis. Bidders are advised to participate for whole quantity according to their eligibility criteria. Partial bidding is not allowed.
- 3.3.2 Language: The Bid and all related correspondence and documents in relation to the Bidding Process shall be in English language. Supporting documents and printed literature furnished by the Bidder with the Bid may be in any other language provided that they are accompanied by translations of all the pertinent passages in the English language, duly authenticated and certified by the Bidder. Supporting materials, which are not translated into English, may not be considered. For the purpose of interpretation and evaluation of the Bid, the English language translation shall prevail.
- 3.3.3 The information and/or documents shall be submitted by the Bidder as per the formats specified in this NIT document.
- 3.3.4 Strict adherence to the formats wherever specified, is required. Wherever, information has been sought in specified formats, the Bidder shall refrain from referring to brochures / pamphlets. Non-adherence to formats and / or submission of incomplete information may be a ground for

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 13 of 77	Signature of Bidder
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declaring the Bid as non-responsive. Each format has to be duly signed and stamped by the authorized signatory of the Bidder then scanned and uploaded in the Techno-Commercial Bid Part.

3.3.5 The Bidder shall furnish documentary evidence in support of meeting Eligibility Criteria as indicated in Clause No. 3.2 of ITB to the satisfaction of REIL.

**3.4 BID SUBMITTED BY BIDDING COMPANY**

3.4.1 The Bidding Company should designate one person to represent the Bidding Company in its dealings with REIL. The person should be authorized to perform all tasks including, but not limited to providing information, responding to enquires, signing of Bid etc. The Bidding Company should submit, along with Bid, a Power of Attorney in original (as per Format-6)/ General Power of Attorney, authorizing the signatory of the Bid.

**3.5 CLARIFICATIONS AND PRE-BID MEETING**

- i. REIL will not enter into any correspondence with the Bidders, except to furnish clarifications on NIT Documents, if necessary. The Bidders may seek clarifications or suggest amendments to NIT online, also soft copy by e-mail to reach REIL before 24 Hours of the prebid meeting at the address, date and time mentioned in Bid information sheet.
- ii. The Bidder(s) or their authorized representative(s) is /are invited to attend pre-bid meeting(s), which will take place on date(s) as specified in Bid information sheet, or any such other date as notified by REIL.
- iii. The purpose of the pre-bid meeting will be to clarify any issues regarding the NIT including in particular, issues raised in writing and submitted by the Bidders.
- iv. REIL is not under any obligation to entertain / respond to suggestions made or to incorporate modifications sought for.

**3.6 AMENDMENTS TO NIT BY REIL**

- i. At any time prior to the deadline for submission of Bids, REIL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the NIT document by issuing clarification(s) and /or amendment(s).
- ii. The clarification(s) / amendment(s) (if any) shall be notified on REIL website [www.reiljp.com](http://www.reiljp.com) / Portal of CPP (<https://www.eprocure.gov.in>) at least Two (2) days before the proposed date of submission of the Bid. If any amendment is required to be notified within Two (2) days of the proposed date of submission of the Bid, the Bid Deadline may be extended for a suitable period of time.
- iii. REIL will not bear any responsibility or liability arising out of non-receipt of the information regarding Amendments in time or otherwise. Bidders must check the website for any such amendment before submitting their Bid.
- iv. In case any amendment is notified after submission of the Bid (prior to the opening of Techno- Commercial Bid due date /time for opening of techno-commercial bid shall be extended and it will be for the Bidders to submit fresh Bids/supplementary bids as the date notified by the REIL for the purpose.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 14 of 77	Signature of Bidder
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**Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .**

- v. All the notices related to this Bid which are required to be publicized shall be uploaded on REIL website [www.reiljp.com](http://www.reiljp.com) /CPP Portal (<https://www.eprocure.gov.in>)

**3.7 BIDDING PROCESS**

**3.7.1 BID FORMATS**

The Bid in response to this NIT shall be submitted ON LINE by the Bidders in the manner provided in Clause 3.4 of ITB, Part - II. The Bid shall comprise of the following:

**(A) ENVELOPE- I (TO BE SUBMITTED ON-LINE)**

- i. Covering Letter as per prescribed Format -1.
- ii. General particulars of bidders as per Format -2.
- iii. Under taking for Bid Security / EMD as per the prescribed Format-3 shall be submitted as per Clause 3.12.
- iv. Copy of the Certificate of Incorporation,Memorandum of Association/ Articles of Association and Copy of PAN, TAN certificates & GST registration.
- v. Power of attorney issued by the bidding company in favour of the authorized person signing the Bid, in the form attached hereto as Format-6 or standard power of attorney in favour of authorized person signing the Bid. But in case of a consortium, a written undertaking from each of the consortium members,duly signed by the authorized signatory of the consortium member holding a written power of attorney for this bid on a stamp paper, authorizing the lead bidder to incur liabilities and receive instructions for and on behalf of any and all consortium members, and the entire execution of the Contract, including but not limited to the payments.
- vi. Consortium agreement as per format-5 & JV agreement if applicable .
- vii. Format-8, if applicable, supported by Board Resolution of the Parent Company of the Bidding Company duly certified by the Company Secretary or Authorized signatory to provide the Performance Bank Guarantee (PBG) in the event of failure of the Bidding Company to do so.
- viii. Undertakings from the Financially Evaluated Entity or its Parent Company as per Format - 9, if applicable.
- ix. Duly filled & signed formats -6, 7, 11 to 14 & 16 and annexures – A to C.
- x. Document in support of meeting General Eligibility Criteria as per clause No.3.2.1.
- xi. Document in support of meeting Technical Eligibility Criteria as per Clause no. 3.2.2
- xii. Details for meeting Financial Eligibility Criteria as per Clause no. 3.2.3.
- xiii. Signed and stamped Copy of NIT Documents including amendments & clarifications (on each page) by Authorized signatory.

The Bidder will upload the scanned copies of all the above mentioned documents during Online Bid-Submission with digitally signed by an authorized signatory . Off line documents will not be intertained with this bid.

**(B) PRICE BID(S) (TO BE SUBMITTED ONLINE ONLY )**

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 15 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

- i) The Bidder shall submit the Price Bid digitally signed by an authorized signatory ON LINE in format only .
- ii) Only “On line Price bids” shall be considered for evaluation.
- iii) Bidder will quote the price in Indian Rupee only.

**Note:-**Bidder must submit all the above documents on line only .

### 3.8 BID DUE DATE

The Bidder should submit the Bids ON LINE well before due date i.e. 14/08/2021 upto 18:00 IST .

### 3.9 VALIDITY OF BID

3.9.1 The bid and the Price Schedule included shall remain valid for a period of 6 months from the date of techno-commercial bid opening, with bidder having no right to withdraw, revoke or cancel his offer or unilaterally vary the offer submitted or any terms thereof. In case of the bidder revoking or canceling his offer or varying any term & conditions in regard thereof or not accepting letter of allocation, REIL shall forfeit the Bid Security/EMD furnished by him. Confirmation regarding the Bid offer validity shall be clearly mentioned in the covering letter.

3.9.2 In exceptional circumstances when Work Order is not issued, REIL may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. A Bidder granting the request will neither be required nor permitted to modify its Bid in any manner.

### 3.10 METHOD OF BID SUBMISSION

3.10.1. Bids are required to be submitted online on CPP Portal ([www.eprocure.gov.in](http://www.eprocure.gov.in)) . All the documents along with price bid including amendments if any are to be submitted before due as referred under clause 3.7.1 (A) & B above.

3.10.2 The Bidders have the option of sending their Documents either by Registered Post or Speed Post or Courier or by Hand Delivery, so as to reach REIL Office by the Bid Deadline. Documents submitted by telex/telegram/fax/e-mail shall not be considered under any circumstances. REIL shall not be responsible for any delay in receipt of the Bid. Any Bid received after the Bid Deadline shall be returned unopened. It should be noted that Document envelope shall not contain any information/document relating to Price Bid. REIL shall not be responsible for premature opening of the Price Bids in case of non-compliance of above.

3.10.3 All pages of the documents, except under taking for the Bid Security /EMD, and any other document executed on non-judicial stamp paper, forming part of the Bid and corrections in the Bid, if any, must be signed by the authorized signatory on behalf of the Bidder. It is clarified that the same authorized signatory shall digitally sign all pages of the Bid. However, any published document submitted with the Bid shall be signed by the authorized signatory at least on the first and last page of such document Bidders shall submit the Bid in original, duly signed by the authorized signatory of the Bidder. No change or supplemental information to a Bid will be accepted after the Bid Deadline, unless the same is requested for by REIL or results from any amendment to NIT issued by REIL under clause 3.6 of this document.

3.10.4 If the envelope is not super scribed as per the specified requirement, REIL will have no responsibility for the Bid's misplacement or premature opening.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 16 of 77	Signature of Bidder
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3.10.5 The envelope shall be sealed properly & shall indicate the Name & address of the Bidder. The Bid must be complete in all technical and commercial respect and should contain requisite certificates, drawings, informative literature etc. as required in the Bid document. Each page of the Bid document should be signed & stamped. Bids with any type of change or modification in any of the terms/ conditions of this document shall be rejected. If necessary, additional papers may be attached by the Bidder to furnish/ submit the required information. Any term / condition proposed by the Bidder in his bid which is not in accordance with the terms and conditions of the NIT document or any financial conditions, payment terms, rebates etc. mentioned in Price Bid shall be considered as a conditional Bid and will make the Bid invalid.

**3.11 COST OF BIDDING**

The bidder shall bear all the costs associated with the preparation and submission of his offer, and the company will in no case be responsible or liable for those costs, under any conditions. The Bidder shall not be entitled to claim any costs, charges and expenses of and incidental to or incurred by him through or in connection with submission of bid even though REIL may elect to modify / withdraw the invitation of Bid.

**3.12 BID SECURITY/ EMD**

The Bidder shall furnish under taking for Bid Security /EMD .The Successful Bidder shall sign and stamp the Work Order (WO) and return the signed & stamped duplicate copy of the same to REIL within 14 days from the date of its issuance. If successful bidder fails to submit the acceptance with in specified time and not submit the Performance Security (PBG) with in 30 days from the date of its issuance then REIL will release the order as per clause no.1.5.6 of Part-III ( Evaluation Criteria ) of the NIT .

**3.13 PERFORMANCE SECURITY / PERFORMANCE BANK GUARANTEE (PBG)**

3.13.1 Within 30 days from the date of issuance of Work Order, Successful Bidder shall require to furnish the Performance Security as per clause No.-12 of PART- IV, General Condition of Contract to the name of REIL and valid for 6 years.

3.13.2 Further, any delay in submission of PBG beyond 60 days shall attract interest @ 1.25 % per month on the total amount, calculated on day to day basis. REIL at its sole discretion may cancel the order and forfeit 100% of Bid Security, in case Performance security is not submitted within 90 days from issuance of Work Order as per Clause 3.12.3(c). Part PBG shall not be accepted.

3.13.3 The Performance Security shall be denominated in Indian Rupees only and shall be in one of the following forms:

- a. Demand Draft or a Bank Guarantee from the List of Banks as indicated in Annexure -B
- b. BG confirmed for payment by the branch of the Bank giving the Bank Guarantee at -----.

3.13.4 The PBG shall be forfeited as follows without prejudice to the Bidder being liable for any further consequential loss or damage incurred to REIL ,If the Successful Bidder is not able to commission the project to the satisfaction of REIL.

3.13.5 Successful bidder initially deposited the Performance bank guarrantee for a minimum period of 3 years 2 months from the date of issuance of Work Order. Successful bidder will extend /renew the Performace bank guarrantee before 60 days of expiry of Performace bank guarantee for next 3 years. If the successful bidder does not extend the PBG, the same shall be forfeited by

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 17 of 77	Signature of Bidder
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REIL. The Performance security shall be released after compliance of entire obligations in the Work Order .

**3.14 OPENING OF BIDS**

3.14.1 Bids shall be opened at date & time specified in Bid Information Sheet or amendments issued by REIL at the venue indicated herein above, in the presence of one representative from each of the Bidders who wish to be present.

3.14.2 Name of the Bidder shall be read out to all the Bidders at the time of bid opening.

**3.15 RIGHT TO WITHDRAW THE NIT AND TO REJECT ANY BID**

3.15.1 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.

3.15.2 REIL reserves the right to interpret the Bid submitted by the Bidder in accordance with the provisions of the NIT and make its own judgment regarding the interpretation of the same. In this regard the REIL shall have no liability towards any Bidder and no Bidder shall have any recourse to REIL with respect to the selection process. REIL shall evaluate the Bids using the evaluation process specified in NIT, at its sole discretion. REIL decision in this regard shall be final and binding on the Bidders.

3.15.3 REIL reserves its right to vary, modify, revise, amend or change any of the terms and conditions of the Bid before submission. The decision regarding acceptance of bid by REIL will be full and final.

**3.16 ZERO DEVIATION**

This is a ZERO Deviation Bidding Process. Bidder is to ensure compliance of all provisions of the Bid Document and submit their Bid accordingly. Tenders with any deviation to the bid conditions shall be liable for rejection.

**3.17 EXAMINATION OF BID DOCUMENT**

3.17.1 The Bidder is required to carefully examine the Technical Specification, terms and Conditions of Contract, and other details relating to supplies as given in the Bid Document.

3.17.2 The Bidder shall be deemed to have examined the bid document including the agreement/ contract, to have obtained information on all matters whatsoever that might affect to execute the project activity and to have satisfied himself as to the adequacy of his bid. The bidder shall be deemed to have known the scope, nature and magnitude of the supplies and the requirements of material and labour involved etc. and as to all supplies he has to complete in accordance with the Bid document.

3.17.3 Bidder is advised to submit the bid on the basis of conditions stipulated in the Bid Document. The cancellation / alteration / amendment / modification in Bid documents shall not be accepted by REIL.

3.17.4 Bid not submitted as per the instructions to bidders is liable to be rejected. Bid shall confirm in all respects with requirements and conditions referred in this bid document.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 18 of 77	Signature of Bidder
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## PART – III

# EVALUATION CRITERIA

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



## RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

(An ISO 9001:2015 &14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

2, Kanakpura Industrial Area, Sirsi Road, Jaipur – 302034

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

Fax- +91-141-2470139

&

Website - <http://www.reiljp.com>

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 19 of 77	Signature of Bidder
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**1. BID EVALUATION**

The evaluation process comprises the following four steps:

- Step I: Responsiveness check of Techno Commercial Bid
- Step II: Evaluation of Bidder’s fulfillment of Eligibility Criteria
- Step III: Evaluation of Price Bid
- Step IV: Successful Bidders(s) selection

**1.1. RESPONSIVENES CHECK OF TECHNO-COMMERCIAL BID**

The Techno Commercial Bid submitted by Bidders shall be scrutinized to establish responsiveness to the requirements laid down in the NIT subject to Clause 3.2.1, Clause 3.2.2, and Clause 3.2.3 of Part - II. Any of the following may cause the Bid to be considered “Non-responsive”, at the sole discretion of REIL:

- a. Bids that are incomplete, i.e. not accompanied by any of the applicable formats inter alia covering letter, power of attorney supported by a board resolution, Bid Security etc.;
- b. Bid not signed by authorized signatory and /or stamped in the manner indicated in this NIT;
- c. Material inconsistencies in the information /documents submitted by the Bidder, affecting the Eligibility Criteria;
- d. Information not submitted in the formats specified in this NIT;
- e. Bid being conditional in nature;
- f. Bid not received by the Bid Deadline;
- g. Bid having Conflict of Interest;
- h. More than one Member of a Bidding Company using the credentials of the same Parent Company;
- i. Bidder delaying in submission of additional information or clarifications sought by REIL as applicable;
- j. Bidder makes any misrepresentation.

Each Bid shall be checked for compliance with the submission requirements set forth in this NIT before the evaluation of Bidder’s fulfillment of Eligibility Criteria is taken up. Clause 3.2 of Part - II shall be used to check whether each Bidder meets the stipulated requirement.

**1.2 PRELIMINARY EXAMINATION**

1.2.1 REIL will examine the Bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and stamped and whether the Bids are otherwise in order.

1.2.2 If there is a discrepancy between words and figures, the amount written in words will prevail.

**1.3 EVALUATION OF BIDDER’S FULFILMENT OF ELIGIBILITY CRITERIA**

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 20 of 77	Signature of Bidder
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1.3.1 Evaluation of Bidder’s Eligibility will be carried out based on the information furnished by the Bidder as per the prescribed Formats and related documentary evidence in support of meeting the Eligibility Criteria as specified in Clause 3.2 part-II, ITB. Non-availability of information and related documentary evidence for the satisfaction of Eligibility Criteria may cause the Bid non-responsive.

1.3.2 The bidders who are qualify the eligibility criteria known as pre-qualified bidder and will be called for plateform demonstration & on site testing.

**A) Technical Presentation :**

The pre-qualified Bidders will be invited to make presentation highlighting experiences faced by the agency, problem faced, bottlenecks solved for similar nature of projects after opening a technical bid and before opening a price bid. The bidder will cover briefly on followings points.

- 1.Fulfilment of technical specifications mentioned in the NIT
- 2.Network deployment strategy
- 3.Project implementation plan with expedited timelines
- 4.O& M Strategy (resources, problem resolution, warranty & replacement etc.)
- 5.Potential risks & mitigation strategy

**B) Live Demostration :**

The pre-qualified Bidder may be asked for Live Demonstration of Solar LED lamps (2-5 LEDs of the proposed system which are to be installed during project execution. The pre-qualified Bidder shall also give demonstration of checking of lux level as stated in the NIT. The Bidder will not be paid any charges for Live Demonstration.

1.3.3 The pre-qualified Bidder who will demonstrate technical presentation & live demonstration successfully to the satisfaction of REIL will known as Technical Qualified bidder . in case pre-qualified Bidder fails to demonstrate technical presentation & live demonstration successfully to the satisfaction of REIL ,then the bidder will be disqualified .

**1.4 EVALUATION OF PRICE BID**

1.4.1 Price Bid of the Technical Qualified Bidders shall be opened online through CPP Portal in presence of the representatives of such Qualified Bidders, who wish to be present, on a date as may be intimated by REIL to the Bidders through REIL website or Email. The evaluation of Price Bid shall be carried out based on the information furnished in Financial Bid (Price Bid). The Price Bid submitted by the Bidders shall be scrutinized to ensure conformity with the NIT. Any Bid not meeting any of the requirements of this NIT may cause the Bid to be considered “Non-responsive” at the sole decision of the REIL.

1.4.2 Price bids shall be evaluated on Total Price quoted by the bidder i.e Evaluated Bid Value.

**1.5 SUCCESSFUL BIDDER(S) SELECTION**

1.5.1 Bids qualifying in Clause 1.4 shall only be evaluated in this stage.

1.5.2 Price quoted in all Price Bids of Qualified Bidders shall be ranked from the lowest to the highest.

**1.5.3 ASSESSMENT OF SUCESSFUL BIDDER**

1.5.3.1 Based on the price bid quoted by the bidders, REIL shall arrange the bids in the ascending order i.e. L-1, L-2 and so on (L-1 being the lowest quoted value) .

1.5.3.2 Lowest bidder will be declared as the successful bidder. REIL on behalf REC FOUNDATION will release of Work Order (WO)/ Letter of Award (LOA) to the successful bidder i.e. L-1 bidder.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 21 of 77	Signature of Bidder
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- 1.5.4 Successful Bidder shall acknowledge the Work Order (WO)/ Letter of Award (LOA) and return duplicate copy with signature of the authorized signatory of the Successful Bidder to REIL within Fourteen (14) days of issue of Work Order (WO)/ Letter of Award (LOA).
- 1.5.5 If the Successful Bidder, to whom the Work Order (WO)/ Letter of Award (LOA) has been issued does not fulfil any of the conditions specified in Bid document, then REIL reserves the right to annul / cancel the award of the Work Order (WO)/ Letter of Award (LOA) of such Successful Bidder.
- 1.5.6 In the case of annulment/ cancellation of the Work Order (WO)/ Letter of Award (LOA), the next lowest bidder shall be given 14 days time to give their consent to execute the work at L-1 price. Upon receipt of the consent the Work Order (WO)/ Letter of Award (LOA) shall be offered to such bidders else next lowest bidder shall be offered the opportunity.. If no one shows interest in L-1 price, then L-2 price shall be allowed and so on.
- 1.5.7 REIL at its own discretion, has the right to reject any or all the Bids without assigning any reason whatsoever, at its sole discretion
- 1.5.8 The Maximum allowable project cost **is MNRE benchmark cost** . Bidders are advised to quote lower than MNRE benchmark cost . Any bidder quoting more than the maximum allowable project cost shall be out rightly rejected.

**2. NOTIFICATION TO SUCCESSFUL BIDDERS**

The name of Successful Bidders shall be notified with offered price on REIL website [www.reiljp.com](http://www.reiljp.com) or CPP Portal and also shall be notified individually through Work Order (WO)/ Letter of Award (LOA).

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 22 of 77	Signature of Bidder
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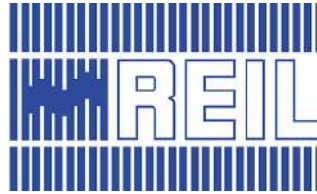


# **PART – IV**

## **GENERAL**

### **CONDITIONS OF CONTRACT (GCC)**

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



#### **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

(An ISO 9001:2015 & 14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

2, Kanakpura Industrial Area, Sirsi Road, Jaipur – 302034

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

Fax- +91-141-2470139

&

Website - <http://www.reiljp.com>

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 23 of 77	Signature of Bidder
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## GENERAL TERMS AND CONDITIONS

### 1) AMENDMENT

Except as otherwise provided herein, no addition, amendment to or modification of the Contract shall be effective unless it is in writing and signed by and on behalf of both parties.

### 2) SEVERABLEITY

In the event that any or any part of the terms conditions or provisions contained in the Contract shall be determined invalid, unlawful or unenforceable to any extent such term, condition or provision shall be served from the remaining terms, conditions and provisions that shall continue to be valid and enforceable to the fullest extent permitted by law.

### 3) CONFIDENTIAL TREATMENT

It is understood and agreed that data, know-how and other such proprietary information that was provided or will be provided by either party, will remain confidential.

### 4) RELATIONSHIP OF THE PARTIES

REIL relationship with Supplier will be that of a Business Associate, and nothing in this Contract shall be construed to create a relationship, joint venture, partnership.

### 5) INDEMNITY

REIL and the Supplier will indemnify, defend, and hold harmless each other and its divisions, successors, subsidiaries and affiliates, the assigned of each and their directors, officers, agents and employees from and against all liabilities, claims, losses, and damages of any nature, including, without limitation, all expenses (including attorney's fees), cost, and judgments incident there to REIL and REIL's obligations under this indemnity will survive the expiration, termination, completion or cancellation of this Contract or an order hereunder.

### 6) FORCE MAJURE

REIL and the Supplier shall not be under any liability to each other or to any other party in any way whatsoever for the destruction, damage, delay or any other matters of the nature arising out of reasons beyond the control of either party, including but not limited to a war, rebellion, civil commotion, strikes, lock-outs and industrial disputes; fire, explosion, earthquake, Act of God, flood, drought, bad weather, Corona Virus, requisitioning or other act or order by any government department, council or other constituted body, and similar other reasons.

If a force majeure situation arises, the Contractor shall notify REIL in writing promptly, not later than 7 (seven) days from the date such situation arises. The Supplier shall notify REIL not later than 3 days of cessation of force majeure conditions. After examining the cases, REIL shall decide and grant suitable additional time for the completion of the work, if required.

### 7) RESTRICTION ON EMPLOYMENT

Both the parties have agreed that they will not recruit any members of staff of other party directly or indirectly.

### 8) ARBITRATION

All disputes arising out of this contract and questions relating to its interpretation etc. shall be referred to the contract committee headed by ED/GM (REIL) and if not resolved shall be referred to the sole arbitration of Managing Director, Rajasthan Electronics & Instruments Ltd., for his decision, which shall be final and binding on both parties. The Venue of Arbitration proceedings shall be at Jaipur.

### 9) RISK AND COST

In the event of failure on the part of the contract in the supply, installation and commissioning of goods and services, which is required in view of the pending orders, REIL shall be entitled to

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 24 of 77	Signature of Bidder
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cancel the remaining order and procure the outstanding quantity through other sources at risk and costs of the supplier.

**10) TERMINATION OF CONTRACT:**

REIL shall be entitled to terminate this Contract, in the event of any or all or any of the following events, with a written notice of 15 days with due consent of the Contractor:-

- i. has abandoned the Contract.
- ii. has without valid reason failed to supply the goods in respect of the contract or has suspended the progress of supply of equipment.
- iii. Persistently fails to execute the Contract in accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just and proper cause.

**11) DURATION OF CONTRACT**

This contract shall take effect on the day of release of Work order and shall endure for the period of 10 month from the date of Work order and further comprehensive O& M for a period of 5 years.

**12) PERFORMANCE SECURITY**

In case of purchase of items where warranty/ guarantee is required or service contracts, 3 % of contract value of the contract should be asked as performance security from the successful bidder. This performance security may be accepted in the form of Bank Guarantee and should be valid for a period of 60 days beyond the date of completion of all contractual obligations.

**13) GOVERNING LAW**

This contract and its validity, interpretation and performance will take effect and be governed under the laws of India. Venue in any action in law or equity arising from the terms and conditions of this contract shall be the court of appropriate jurisdiction in Panchkula Haryana (India).

**14) PREFERENCE TO MSE**

Preference to MSE will be given and procurement from SC/ST and Women Entrepreneurs shall be done as per the government guidelines. Start Ups are exempted from condition of prior turnover and prior experience subject to meeting of quality and technical specifications.

**15) INDIGENOUS MANUFACTURER**

Indigenous manufacturer shall be given preference for promotion of indigenous products to maximum subject to meeting quality standards and specifications.

**16) NO NEAR RELATIVE CLAUSE**

The bidder should give a certificate that none of his/her near relative is working in REIL as defined below along with their technical bid as per the attached format-13 . Due to any breach of these conditions by the company or firm or any other person the tender will be cancelled and Bid Security will be forfeited at any stage whenever it is noticed and REIL will not pay any damage to the company or firm or the concerned person. The company or firm or the person will also be debarred for further participation in REIL's Tender. The near relatives for this purpose are defined as:- (a) Members of a Hindu undivided family. (b) They are husband and wife. (c) The one is related to the other in the manner as father, mother, son(s) & Son's wife (daughter in law), Daughter(s) and daughter's husband (son in law), brother(s) and brother's wife, sister(s) and sister's husband (brother in law).

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 25 of 77	Signature of Bidder
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# **PART – V**

## **SPECIAL**

### **CONDITIONS OF CONTRACT (SCC)**

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



#### **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 26 of 77	Signature of Bidder
--	---	---------------	---------------------



## CONDITIONS OF CONTRACT (SCC)

### 1. Project description :

Work for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.

2. **Project Site:** Project is spread in three taluka of Nashik District in Maharashtra . The brief detail location of the project is given in the part-II ,ITB of NIT and Annexure-C.

### 3. Scope of Works:

The detailed scope of works under this contract shall be referred at Section VI: SCOPE OF WORK & TECHNICAL SPECIFICATIONS.

### 4. Exemptions for MSEs:

4.1 Exemptions for Indian MSEs Bidders / Manufacturers who are registered under NSIC / Udyog Aadhaar Category only are provided as per Govt. Rules.

4.2 If MSEs will participate with non MSEs as a consortium then MSEs exemption is not applicable to MSMEs bidders.i.e For MSEs exemption both the consortium members must be MSEs.

4.3 If any bidder either MSEs bidder or general bidder will awarded the contract and it does not submit the performance bank guarantee as per clause 3.13 of Part – II ITB, it shall be blacklisted from all tenders of REIL/REC FOUNDATION or shall have to pay a penalty equivalent of Bid Security/EMD amount with subsequent interest calculated as 1.25 % per month on Bid Security/ EMD amount from the date of bid submission.

### 5. Performance Parameters for Acceptance:

After installation & commissioning performance test shall be demonstrated by the contractor for acceptance of the Luminaries.

#### 01. For single light level:

Minimum 24 Lux when measured at a point 4 meters below the light. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.

#### 02. For Multiple Light levels:

The luminaire should have two levels of light to take care of different lighting needs during the night. Minimum 24 Lux when measured at a point 4 meters below the light (at " High" illumination level). The illumination Should be uniform without dark bands or abrupt variations. Minimum 12 Lux at lower illumination level.

(Higher light output will be preferred)

### 6. Project Time line:

The time line for Completion of the installation & Commissioning of project is 10 Months from the date of issue of Work order /Letter of Award .

### 7. Mode of Execution:

The entire work shall be executed on turnkey basis. Any item(s) not included in the NIT but essentially required for completion of the project shall have to be carried out/ supplied without any extra cost. Such works, not listed in the NIT of works but elaborately described to perform or to facilitate particular operation(s) required for completion of the project shall deemed to have been

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 27 of 77	Signature of Bidder
--	--	---------------	---------------------



included in the scope of this work and the Contractor shall supply, installed & commission the same without any extra cost.

**8. Issue of letter of award (LOA)/Work Order (WO) and Agreement:**

The successful Bidder shall be issued letter of award (LOA)/Work Order (WO) by REIL. After the LOA/WO the successful Bidder have to sign the agreement with REIL on behalf of REC Foundation as per their schedule on Rs. 500 ( five Hundred only) Stamp paper .

**A. Agreement for supply, Installation & Commissioning and Testing.**

An agreement shall be done between REIL and successful bidder for the supply, Installation & Commissioning and Testing of Solar Street Lighting Systems for a period as specified in the bid document as per Format-10.

**B. Agreement for Compresive O&M :**

An agreement shall be done between REIL and successful bidder for compressive Operation & maintenance of Solar Street Lighting Systems for a period 5 years after installation & commisioning as specified in the bid document.

**9. Relation with public Authorities:**

The Contractor shall comply with all powers and legal orders and directions given from time to time by any local or public authorities and shall pay out of his own money, the fees or charges to which he shall be liable.

**10. Permit and Licenses:**

The Contractor shall procure at his sole expenses all permits and licenses and pay all charges and fees for lawful execution of the work.

**11. Inspection of sites by bidder:**

The Bidder is deemed to have visited the sites and familiarized himself of the conditions and restrictions under which the work will be executed.

- The omission of any details shall not absolve the bidder of his prima facie obligation and responsibility under the Contract to carry out and successfully complete the Execution and Maintenance works.
- The Bidder is advised that it is his sole responsibility to ascertain for himself the extent of work that is required to be done in site and to generally obtain his own information on all matters affecting directly or indirectly the execution of the whole works involved in the contract to the complete satisfaction of the Engineer.
- The Bidder shall inspect and examine the site and its surrounding and shall satisfy himself before submitting his tender as to the condition of the poles/brackets and condition of wires (so far as is practicable), the form and nature of the site, the quantities and nature of the work and materials necessary for the completion and maintenance of the works and means of access to the site, the accommodation he may require and in general shall himself obtain all necessary information as to risk, contingencies and other circumstances which may influence or affect his tender.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 28 of 77	Signature of Bidder
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- The bidder shall be deemed to have satisfied himself before tendering as to the corrections and sufficiency of his tender for the work and of the rates and prices quoted in the schedule of works/items/quantities, or in Bill of Quantities, which rates and prices shall, except as otherwise provided, cover all his obligations under the Contract and all matters and things necessary for proper completion and comprehensive maintenance of the works. No extra charges consequent on any misunderstanding.

**12. Inspection of materials:**

The Contractor shall furnish the Engineer in charge every facility and assistance for ascertaining whether or not the work performed is in accordance with the requirements and instructions of the plans and estimates and the specifications. In fact any stage Engineer in charge want to confirm about the specifications, then the contractor shall remove or uncover any portions of the finished work considered necessary for fresh inspection at his own cost. The Engineer in charge official will inspect the manufacturing plant / LED Luminaries etc. at the cost of bidder and the bidder is bound to inspect the material to the Engineer in charge or his representative at plant before dispatching the material.

**13. Materials:**

The Solar Street lighting System installed in pursuance to this Agreement, will remains the property of REC Foundation / Municipality. All Materials shall be new and as per Technical Specifications as specified in the Tender.

**14. Testing:**

The Contractor shall be completely responsible for the testing. All tests shall be carried in the presence of Engineer-in-charge or his authorized representative /REIL and approval obtained for the tests. The quality and specifications of material supplied by contract or may be examined through third party inspection or certified as per analysis report of NABL-accredited laboratory, if required at any time on the cost of successful bidder.

**15. Basic Price:**

The basic price of items shall include supply of material, transportation, loading and unloading charge ,Insurances ,installation & commissioning ,testing etc and all such changes that may be required to be incurred for implementation of Solar Street lighting Systems .

**16. Terms of Payment:**

16.1 Payment shall be made by REIL on behalf of REC FOUNDATION after verification of the bills raised by contractor as given below.

1. 60 % of the project cost after received of material at site and duly verified by REIL's officer incharge/ representative.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 29 of 77	Signature of Bidder
--	--	---------------	---------------------





2. 15 % of the project cost after issue of completion certificate by REIL.( i.e. After Installation & commissioning & performance Testing).
  3. 10% of the project cost after handing over the project to the concern authority.
  4. Balance 15 % of the project cost in 5 equal installment after completion of every year O&M .( i.e. 3 % every years after completion of O&M).
- 16.2 REIL will only release the payment to the contractor after release of payment from REC Foundation .REIL will not be liable for any delay/non payment from REC Foundation.
- 16.3 The bills of Operation and maintenance will be raised by the contractor after completion of every year of O&M. The full payment will be released to the contractor within 30 days of submission of bill. The penalty amount (LD) if any will be deducted from yearly bills raised by contractor . REIL decision will be final about penalty and both the parties have to accept it.

**17. Price Escalation**

No Price escalation is allowed. The rate(s) quoted against the work shall remain firm during the entire Contract period. Any change in Forex rate shall not be considered for price variation.

**18. Liability and Insurances:**

- 18.1 All the supplies mentioned/ required under this NIT shall be insured till installation & Commissioning . The contractor shall be responsible for loss, damages or depreciation to goods, Equipments & machineries upto delivery at site. The replacement of the effected items shall also be carried out by the contractor to meet the performance of the Solar Street Lighting System with in specified time.
- 18.2 All insurance related expences shall be borne by Contractor. Goods, Equipments & machineries supplied shall be fully insured against the loss or damage or theft or pilferage or fire accident or combination etc upto delivery at site before dispatch of material.
- 18.3 Contractor should also provide the insurance coverage to its workmen under Workmen's Compensation Act or similar Rules and Acts as applicable during installation & commissioning and O&M period. REIL/REC Foundation will not be responsible for any loss/damage of workmen & material during overall contract .
- 18.4 Since the O&M is comprehensive ,contractor shall also be insured the supplied material upto 5 years O&M for any loss,damage,theft etc .

**19. Taxes and Duties:**

- 19.1 Proper tax invoices, raised against the different work viz. Supply, installation & commissioning etc must be submitted mentioning the tax component (GST) clearly and separately. All charges including custom duty is the part of basic price .REIL on behalf of REC Foundation will pay GST charges as applicable. Contractor will not allowed to increase basic price. REIL will not pay more than the Total Project Cost as mentioned in price schedule.
- 19.2 Bidder will quote the price based on the concessional rate or exemptions in the same (as applicable) that can be availed by the bidder on its own.
- 19.3 The successful bidder shall be responsible for all the income tax, statutory taxes, statutory dues, local levies, Goods & Service tax, etc., to be paid to Government / Statutory bodies /

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 30 of 77	Signature of Bidder
--	--	---------------	---------------------



Authorities, etc., for the services rendered by it. There will be no tax liability upon the REIL/REC Foundation whatsoever on any account.

**20. Liquidated Damage:**

**20.1 Liquidated Damage during Supply, installation & Commissioning & Testing :**

Liquidated damages in the event of delay in affecting the supply and I&C within agreed period, a reduction in the price shall be levied @ 0.50% of the total Work order value per week or part thereof subject to maximum of 3 % of the total Work order value.

**20.2 Liquidated Damage during O&M :**

Liquidated damages in the event of replacement of the defective/ non-glowing Solar LED lights within 48 hours of its failure coming into knowledge of the Contractor through any means. Penalty for non-fulfillment after 48hours is reckoned as follows.

- A. Penalty Rs. 20 per systems per day beyond 72 hour till 7 Days . Rs. 50 per day after 7 days till the removal of defects.
- B. Penalty in case number of Solar Street Lighting Systems glowing are less than 95% = Rs. 20 per lamp per day.

The above penalty will be detected from yearly bill raised by the contractor subject to maximum of 3% of the total Work order value .

**21. Pre Dispatch Inspections:**

Pre Dispatch Inspection of critical items such as Luminaries & SPV Modules etc will be done by REIL/REIL's representative. REIL/REIL's representative shall have free access to the supplier's works during testing and final inspection of items as per quality plan. Contractor shall inform the REIL not less than 15 days in advance. All testing arrangements shall be the responsibility of the contractor. REIL reserves the right to inspect the material during manufacturing and/or before dispatch as per specifications and test protocols. Internal inspection report and inspection certificate must accompany the supply.

**22. Warranty:**

The Solar street light System's equipments and apparatuses, including, but not limited to, SPV Modules, poles, cables, wires, lighting fixtures, Batteries, fittings, , switching devices and timers within the Project Area shall be covered under the standard warranty for the entire period of O&M i.e. 5 years or till the project is handed over to the authority, whichever is more. During this period contractor should replace/ repair the defective parts. The entire expenditure including freight, customs duty, customs clearing charges, GST and local transportation if any for such replacement shall be borne by the contractor.

**23. Miscellaneous:**

- (i) The successful bidder must have all statutory licenses such as electrical contractor license of class – A etc, required for working in the state of Maharashtra . If successful bidder will fail to deposit the certificate / license etc with in 30 days after release of Work Order , then REIL will cancel the Workorder and forfeited the Bid security by REIL.
- (ii) Contractor shall supply all material as per specifications in the NIT and integrate all the supplied material as per requirement of site.
- (iii) Contractor shall supply all new material and not for any refurbished / used material.
- (iv) All requirements of licensing, Govt. permissions or any other statutory clearance from the state/Center shall be the responsibility of contractor.
- (v) In case of discrepancy between GCC Clause and SCC Clause on a particular subject, SCC

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 31 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

conditions will prevail.

- (vi) Applicable TDS and Labour Cess shall be deducted from the bill as per rules of the successful bidder. Certificates to the same effect will be issued to the contractor for their official purposes.
- (vii) Successful bidder, on whom work order/ letter of award is placed, is to ensure all safety guidelines, rules and regulations, labour laws etc. Successful bidder shall indemnify concerned EIC for any accident, injury met by its labour, employee or any other person working for him or general public during execution of work and O&M period. Any compensation sought by its labour, employee or any other person working for him or general public either during operation of work order or at any stage later on, shall be paid by successful bidder as per settlement solely. REIL/REC FOUNDATION has no role to play in this matter. In case, any dispute arises out of these conditions, the directions / decisions / settlements by court, the full compensation amount shall be borne by the successful bidder. If the successful bidders do not abide by this condition, concerned EIC reserves the right to pay the aggrieved party directly and the same shall be recovered from the payouts of the successful bidder.
- (viii) All employees / workman engaged by the successful bidder to work on this project shall not have any claim regarding engagement / employment by REIL/REC Foundation sitting the plea that they worked for and on behalf of REIL/REC Foundation. They shall purely be the employees / workman of the contractor only.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 32 of 77	Signature of Bidder
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## PART – VI

# SCOPE OF WORK & TECHNICAL SPECIFICATIONS

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



### **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 33 of 77	Signature of Bidder
--	---	---------------	---------------------



## 1. Scope of work & Technical Specifications :

A standalone solar photovoltaic street lighting system (SLS) is an outdoor lighting unit used for illuminating a street or an open area. The Solar Street Lighting System consists of solar photovoltaic (SPV) module, a luminaire, storage battery, control electronics, inter-connecting wires/cables, module mounting pole including hardware and battery box. The luminaire is based on White Light Emitting Diode (W-LED), a solid state device which emits light when electric current passes through it. The luminaire is mounted on the pole at a suitable angle to maximize illumination on the ground. The PV module is placed at the top of the pole at an angle facing south so that it receives solar radiation throughout the day, without any shadow falling on it. A battery is placed in a box attached to the pole.

Electricity generated by the PV module charges the battery during the day time which powers the luminaire from dusk to dawn. The system lights at dusk and switches off at dawn automatically.

The scope of work would essentially cover, but not limited to site survey, design, engineering, pre-dispatch inspection, supply, insurance, transportation, storage, civil work, erection, testing, commissioning, warranty and comprehensive operation & maintenance of Solar Street Light System for a period of 5 Years.

The brief technical specification as follows,

Sr. No	Components	Specification for Solar street light fitting
1.	PV Module	75 Wp under STC ( <b>Only indigenous modules shall be used in this Project</b> )
2.	Battery System	Minimum 12.8V, 30 AH capacity Lithium Ferro Phosphate battery with BMS.
3.	Light Source	White Light Emitting Diode (W-LED)  12 Watt, W-LED luminaire, dispersed beam, soothing to eyes with the use of proper optics and diffuser.  LED Chip should be compliance to IES: LM-80-2008 (Approved Method for Measuring Lumen, Maintenance of LED Light Sources and LED lumen depreciation time to L70). Test report for same should be submitted.
4.	Light Out put	The luminaire must use high efficacy W-LED with minimum 135 lumens per watt (and UV free). [A certificate to be submitted by the System supplier to the Test Lab during certification]  <b>For single light level:</b>  Minimum 24 Lux when measured at a point 4 meters below the light. The illumination should be uniform without dark bands or abrupt variations, and soothing to the eye. Higher light output will be preferred.  <b>For Multiple Light levels:</b>  The luminaire should have two levels of light to take care of different lighting needs during the night. Minimum 24 Lux when measured at a point 4 meters below the light (at " High" illumination level). The illumination should be uniform without dark bands or abrupt variations. Minimum 12 Lux at lower illumination level. (Higher light output will be preferred)  The luminaire shall be tested for Electrical, Photometry and Color



Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

		<p>parameters as per IES LM-79:2008 or IS: 16106:2012 for following performance parameters like:</p> <ol style="list-style-type: none"> <li>1) Total luminous flux: <math>\geq 1500</math> lm.</li> <li>2) Luminous efficiency (i.e. system efficiency): <math>\geq 125</math> lm/W.</li> <li>3) Color Temperature: Between <math>5500^{\circ}</math> K to <math>6500^{\circ}</math> K.</li> <li>4) CRI <math>\geq 70</math></li> <li>5) Luminous intensity distribution should follow the batwing patterns in polar curves.</li> <li>6) Require validation report using .ies file, which is generated during luminous intensity distribution test and using maintenance factor 0.9 and pole height of 4m, Road width 5m and Pole span 15 m. The average illuminance level and uniformity should comply with requirement as per IS 1944, wherever applicable.</li> <li>7) The luminaire should be tested for all type tests as per IS 10322 Part 5 Sect 3 or IEC 60598-2-3 standards.</li> </ol>
5	Mounting of light	Pole height Min. 4.5 m above the ground level and 1 m below the ground. Luminaire shall be at least 4.0 m above the ground level.
6	Electronics Efficiency	Overall total Efficiency of the Electronics should be Minimum 90%
7	Duty Cycle	Dusk to dawn: First 4 Hours full light (Min. 24 Lux), rest of the time at lower light (50%, Min. 12 Lux) level.(Higher light output will be preferred)
8	Autonomy	3 days or Minimum 36 operating hours per permissible discharge with fully charged Lithium-Ferro Phosphate Battery.
9	Ingress Protection – IP	Optical and Control gear compartment - IP 65 / IP 66
10	Impact resistance of casing	$\geq$ IK 08
11	Radiated Emission Test	As per CISPR-15
12	ESD (Electro Static Discharge) and Radiated susceptibility test	As per IEC 61547

The detailed specifications are as under:

**A. PV Module:**

Crystalline type solar module(s) of desired nominal voltage or peak power rating which meet MNRE specifications are considered appropriate for inclusion in this offer.

The modules used shall have following specifications at STC:

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 35 of 77	Signature of Bidder
--	--	---------------	---------------------





Parameter	Value
Type	75W36
Peak Power Output (Wp)	75 Watt
Current at Peak Power Output ( $I_m$ )	4.17 Amp. DC
Voltage at Peak Power Output ( $V_m$ )	18.0 Volt DC
Open Circuit Voltage	22.0 Volt DC

**Other Specifications:**

1. Indigenously manufactured PV module should be used.
2. The PV module should have crystalline silicon solar cells and must have a certificate of testing conforming to IEC 61215 Edition II / BIS 14286 from an NABL or IEC accredited Laboratory.
3. The power output of the module under STC should be a minimum of 75Wp.
4. The module efficiency should not be less than 14 %.
5. The terminal box on the module should have a provision for opening it for replacing the cable, if required.
6. There should be a Name Plate fixed inside the module which will give:
  - i. Name of the Manufacturer or Distinctive Logo.
  - ii. Model Number
  - iii. Serial Number
  - iv. Year of manufacture
7. A distinctive serial number starting with REC will be engraved on the frame of the module or screen printed on the tedlar sheet of the module.

**B. Luminaire:**

1. The lamp shall be a white LED type with a rating of 12 W.
2. The LED efficiency should be more than 135 lumens per watt. The total luminaire efficacy should not be less than 90 lumens per watt.
3. The colour temperature of white LED used in the system should be in the range of 5500°K–6500°K.
4. W-LEDs should not emit ultraviolet light.
5. The light output from the white LED light source should be constant throughout the duty cycle.
6. The lamp shall be housed in a weather- proof assembly suitable for outdoor use.
7. The temperature of heat sink should not increase more than 20°C above ambient temperature during the dusk to dawn operation.
8. Display indications – Low battery and charging.
9. The Luminaire housing should be water proof (IP 65) and should be painted with a corrosion resistant paint and should be housing the battery.

**C. Electronics of Luminaire :**

1. The total electronic efficiency should be at least 90 %.
2. Charge controller should be MPPT Type.
3. Electronics should operate at an appropriate voltage suitable for proper charging of the battery.
4. No Load current consumption should be less than 20 mA.
5. The PV module itself should be used to sense the ambient light level for switching ON and OFF the lamp.
6. The PCB containing the electronics should be capable of solder free installation and replacement.
7. Necessary lengths of wires/cables, switches suitable for DC use and fuses should be provided.
8. Adequate protection shall be provided under “No Load Condition”. e.g. when the lamp is removed and the system is switched ‘ON’.
9. The system shall have protection against battery overcharge and deep discharge conditions.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 36 of 77	Signature of Bidder
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**Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .**

10. The System should have protection against short circuit conditions.
11. Protection for reverse flow of current through the PV module(s) should be provided.
12. Electronics should have temperature compensation for proper charging of the battery throughout the year.
13. Adequate protection should be provided against battery reverse polarity.
14. Load reconnect should be provided at 80% of the battery capacity status.

**D. Indicators:**

1. The system should have two indicators, green and red.
2. The green indicator should indicate the charging under progress and should glow only when the charging is taking place. It should stop glowing when the battery is fully charged.
3. The red indicator should indicate the battery "Load Cut Off" condition.

**E. Battery System:**

1. The battery shall be Lithium Ferro Phosphate battery.
2. The Battery capacity shall be Minimum 12.8 V, 30 AH.
3. The battery pack should have proper Battery Management System (BMS) for cell balancing, over charge and over temperature protection. It may be either separate from the light fixture or may be an integral part of the fixture.
4. Battery should conform to the latest BIS/ International standards.

**F. Mechanical Hardware:**

1. A metallic frame structure (with corrosion resistant paint / GI) shall be provided to hold the SPV module. The frame structure shall have provision to adjust its angle of inclination to the horizontal between 0 to 45 Degrees so that it can be installed at the specified tilt angle.
2. The pole should be galvanized Iron pipe with Minimum length- 5.5 meters, OD-75 mm & Thickness-2 mm.
3. Pole height 4.5 m above the ground level and 1 m below the ground. Luminaire shall be at least 4.0 m above the ground level.
4. Pole should be fixed in 1:2:4 concrete mix, min. size 0.75 M deep in ground x 45 cm x 45 cm wide, with six inch top muffing with concrete (1:2:4) above ground level & duly painted as per standard norms. The G.I. base plate (15" x 15" x 1 CM thickness) shall be welded properly with the base end of the pole which will be checked at the time of PDI. All the poles shall be numbered in sequence for each taluka/location.
5. The pole should have the provision to hold the luminaire.
6. The battery pack ( if outside the luminaire enclosure) should be water proof (IP 65) and corrosion resistant in a vented, acid proof and corrosion resistant, hot dip galvanized metallic box (IP 65) with anti-theft locking arrangement for outdoor use.
7. Proper arrangement to emboss logo of REC and REIL at visible height.

**2. List of IEC/BIS standards applicable for components of Solar PV Applications.**

SNo.	Product	Indian Standard Number	Title of Indian Standard
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1.	Crystalline Silicon Terrestrial Photovoltaic (PV) modules (Si wafer based)	IS 14286 :2010 / IEC61215,2nd Edition IS/IEC 61730	Crystalline Silicon Terrestrial Photovoltaic (PV) modules - Design Qualification And Type Approval. Safety Qualification
2.	Electronics	EN50530 IEC 62093 Equivalent BIS Std	Charge Controller / MPPT Units and Protections
3.	Storage batteries	IS 16270 and IS 16046:2015	General Requirements and Methods of Testing
4.	LED Lights & Luminaires	LM-80-2008 LM-79:2008 or IS: 16106:2012 IEC62384 IS 16101  IS 16102  IS 16103 IS 16107	LED Chip Performance Luminary tested for Electrical, Photometry and Color parameters Diver Safty General Lighting - LEDs and LED modules – Terms and Definitions Self-Ballasted LED Lamps for General Lighting Services Led Modules for General Lighting Luminaires Performance
5.	Cables	IEC 60189 IS 694/ IS 1554  IS/IEC 69947	General Test and Measuring Method PVC insulated cables for working voltage up to and including 1100 V UV resistant for outdoor Installation
6.	Junction Boxes/Enclosures for Inverters/Charge controllers/Luminaires	IEC 62208 and IP 65	General Requirements

### 3. QUALITY AND WARRANTY

1. The street lighting system (including the battery) will be warranted for a period of five years from the date of supply.
2. The PV module(s) will be warranted for a minimum period of 25 years from the date of supply. The PV modules must be warranted for their output peak watt capacity, which should not be less than 90% at the end of Ten (10) years and 80% at the end of Twenty five (25) years.
3. The Warranty Card to be supplied with the system must contain the details of the system.

### 4. OPERATION and MAINTENANCE MANUAL

An Operation, Instruction and Maintenance Manual, in English and the local language, should be provided with the Solar Street Lighting System. The following minimum details must be provided in the Manual:

- Basic principles of Photovoltaic.
- A small write-up (with a block diagram) on Solar Street Lighting System - its components, PV module, battery, electronics and luminaire and expected performance.
- Type, Model number, Voltage & capacity of the battery, used in the system.
- The make, model number, country of origin and technical characteristics (including IESNA LM-80 report) of W-LEDs used in the lighting system.
- About Charging and Significance of indicators.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 38 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

- Clear instructions about erection of pole and mounting of PV module (s) and lamp housing assembly on the pole.
- Clear instructions on regular maintenance and troubleshooting of the Solar Street Lighting System.
- DO's and DONT's.
- Name and address of the contact person for repair and maintenance, in case of non-functionality of the solar street lighting system.

**5. OPERATION and MAINTENANCE**

Contractor shall provide operation & maintenance for five years. During O&M period, contractor or its representative must visit the site on half monthly basis (15 days) and contractor will replace the faulty items within a week free of cost. AMC does not cover, damage to system, theft or defect arising out of willful damage and or misuse of equipment. Safety and Security shall be in the scope of beneficiary but the insurance of the system upto O&M period will be taken by the contractor.

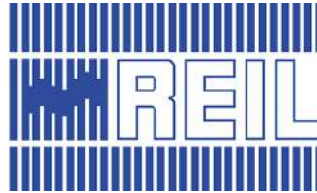
Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 39 of 77	Signature of Bidder
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## PART – VI

# FORMATS & ANNEXURES

(NIT NO. – REIL/PROJECT/ REC-SSLS/2021-22/001 )



### **RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.**

(An ISO 9001:2015 &14001:2015 'Mini-Ratna' Central Public Sector Enterprise)

2, Kanakpura Industrial Area, Sirsi Road, Jaipur – 302034

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

Fax- +91-141-2470139

&

Website - <http://www.reiljp.com>

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 40 of 77	Signature of Bidder
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**FORMAT FOR SUBMITTING NIT**

**Covering Letter**

(The covering letter should be on the Letter Head of the Bidding Company)

Ref.No. \_\_\_\_\_ Date: \_\_\_\_\_

From:

\_\_\_\_\_ (Insert name and address of Bidding Company)

\_\_\_\_\_  
\_\_\_\_\_

Tel.#:

Fax#:

E-mail address#

To

RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

2, Kanakpura Ind. Area

Sirsi Road

JAIPUR-302034

**Sub:** Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.

Dear Sir,

1. We, the undersigned....[insert name of the 'Bidder'] having read, examined and understood in detail the NIT Document for "for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis "hereby submit our Bid comprising of Price Bid and Techno Commercial Bid .

We confirm that neither we nor any of our Parent Company/ Consortium Members have submitted Bid other than this Bid directly or indirectly in response to the afore said NIT.

2. We give our unconditional acceptance to the NIT, dated.....and NIT Documents attached thereto, issued by REIL, as amended. As a token of our acceptance to the NIT Documents, the same have been initialed by us and enclosed to the Bid. We shall ensure that we execute such NIT Documents as per the provisions of the NIT and provisions of such NIT Documents shall be binding on us.

**3. Under Taking for Bid Security /EMD.**

We have enclosed under taking for Bid Security/ EMD in place of original Bid Security/ EMD .

4. We have submitted our Price Bid strictly as per this NIT, without any deviations, conditions and without mentioning any assumptions or notes for the Price Bid in the said format(s).

**5. Acceptance**

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 41 of 77	Signature of Bidder
--	--	---------------	---------------------



We hereby unconditionally and irrevocably agree and accept that the decision made by Rajasthan Electronics & Instruments Ltd. in respect of any matter regarding or arising out of the NIT shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfill our obligations with regard to execution of projects.

**6. Familiarity with Relevant Laws & Regulations of India**

We confirm that we have studied the provisions of the relevant an laws and regulations of India as required to enable us to submit this Bid and execute the NIT Documents, in the event of our selection as Successful Bidder. We further undertake and agree that all such factors as mentioned in NIT have been fully examined and considered while submitting the Bid.

**7. Contact Person**

Details of the contact person are furnished as under:

- Name : .....
- Designation : .....
- Company : .....
- Address : .....
- Phone Nos. : .....
- E-mail address : .....

8. We are enclosing herewith the Envelope-I (Covering letter, Processing fee and Bid Security/EMD etc) in hard copy as per clause 3.8.1.A of the NIT.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the NIT and subsequent communications from RAJASTHAN ELECTRONICS & INSTRUMENTS LTD. The information submitted in our Bid is complete, strictly as per the requirements stipulated in the NIT and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid. We confirm that all the terms and conditions of our Bid are valid for acceptance for a period of 6 month from the Bid deadline. We confirm that we have not taken any deviation so as to be deemed non-responsive.

Dated the \_\_\_\_\_ day of \_\_\_\_\_, 20

Thanking you,

We remain,

Yours faithfully,

Name, Designation and Signature of Authorized Person in whose name Power of Attorney/Board Resolution.

Format-2

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 42 of 77	Signature of Bidder
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**GENERAL PARTICULARS OF THE BIDDER**

<b>SNo.</b>	<b>Particular</b>	<b>Filled by Bidder</b>
01.	Name of the Bidder	
02.	Type of Company/ Firm	
03.	Registered / Corporate Office Address	
04.	E-mail for communication	
05.	Mobile No. for communication	
06.	Web site	
07.	GST No.	
08.	PAN No.	
09.	Authorized Contact Person(s) with name, designation Address and Mobile Phone No., E-mail address/ Fax No. to whom all references shall be made.	
10.	Year of Incorporation	
11.	Bidding company is listed in India. If No, write name of the country.	Yes/No
12.	Details of the Ownership structure	
13.	Whether company is MSEs as on the bidding date	Yes/No

(Signature of Authorized Signatory)  
With Stamp



**Bid Security Declaration Form**

(To be on non-judicial stamp paper of appropriate value as per Stamp Act)

To

**Add. General Manager (P&MM)**

Rajasthan Electronics & Instruments Limited, (REIL)  
2, Kanakpura Industrial Area Sirsi Road,  
Jaipur-302034 (Rajasthan)

Dear Sirs,

In accordance with Invitation for Bids under your Bid Document No.:  
.....dated ....., We, M/s.  
..... Bidder name and address ) (hereinafter called the 'Bidder') wish to  
participate in the said tender for..... [Name of Package].

We confirm that we have read the provisions of the bidding document no.....  
dated..... and we hereby declare the following:

1. We confirm that, in case we withdraw our offer within the validity period of the offer provided in the bidding documents or any extension thereof, then we shall be treated as ineligible for participation in the future tenders issued from REIL for a period of 06 months from the date of withdrawal of the bid.
2. In addition, we also confirm that in case after having been issued the Notification of Award/Purchase Order of a package, we either do not accept the Notification of Award/Purchase Order or do not sign the Contract or do not submit an acceptable Performance Security as per bidding documents provision, and which result in tender being annulled then we shall be treated ineligible for participation in retendering of this particular package and contractual action may be taken against us as per the provisions of the Bidding documents. Further, REIL shall also be free to take further actions as per the provisions of the policy for Withholding and Banning of Business Dealings.

Date: .....

Signature:

Place: .....

Name of the Authorized person: .....

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 44 of 77	Signature of Bidder
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**FORMAT FOR PERFORMANCE BANK GUARANTEE**

Bank Guarantee No.----- Date  
To,  
-----  
-----,  
-----

Dear Sir,

In accordance with Invitation for Bids under your Bid Document No. .... dated .....).M/s. ....(Bidder Name) having its registered office at .....’ (hereinafter called the successful bidder) in the said Bid for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis” .

As an irrevocable bank guarantee against performance Security for an amount of Rs.----- valid up to ....., required to be submitted by the Bidder as a condition precedent for participation in the said Bid which amount is liable to be forfeited on the happening of any contingencies in the performance of Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light Systems.

We, the .....(Bank Name & address) guarantee and undertake to pay immediately on demand by (----Name of REIL ---) the amount of Rs. ----- without any reservation, protest, demand and recourse. Any such demand made by the ‘REIL’ shall be conclusive and binding on us irrespective of any dispute or difference raised by the Bidder.

This Guarantee shall be unequivocally, irrevocably & unconditionally and shall remain valid up to .....(date of expiry of Guarantee).. If any further extension of this guarantee is required, the same shall be extended to such required period (not exceeding one year) on receiving instructions from M/s. .... (Bidder Name) on whose behalf this guarantee is issued.

This guarantee will remain in force up to and including .....(date of expiry of Guarantee). , and any demand in respect thereof must reach the Bank not later than the above date.

Notwithstanding anything contained herein above:

Our liability under this guarantee shall not exceed Rs. -----

This bank guarantee shall be valid up to .....(date of expiry of Guarantee).

We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only and only if we receive from you a written claim or demand on or before ..... (date of expiry of Guarantee).

The said letter of guarantee has been transmitted through SFMS gateway to your bank. It is advised that in your own interest, you may verify the genuineness of above letter of guarantee from your bank / branch.

Dated the                      date of                      2021.

Bank Name  
(Sealed & Signed)

(To be on non-judicial stamp paper of appropriate value as per Stamp Act.)

- 1.The Performance Bank Guarantee (PBG) shall be executed by any of the Bank from the List of Banks enclosed as per Annexure-B
- 2.The Stamp Paper should be in the name of the Executing Bank and of appropriate value.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 45 of 77	Signature of Bidder
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**CONSORTIUM AGREEMENT**

**(To be on non-judicial stamp paper of appropriate value as per Stamp Act relevant to place of execution)**

This Consortium Agreement (“Agreement”) executed on this-----day of----- 2021 between M/s [insert name of Lead Member]----- a Firm / Company incorporated under the laws of----- and having its Registered Office at----- (hereinafter called the “Lead Member”, which expression shall include its successors, executors and permitted assigns)

and M/s ----- a Firm / Company incorporated under the laws of ----- and having its Registered Office at -----(hereinafter called the “Technical Member”, which expression shall include its successors, executors and permitted assigns),which expression shall include its successors, executors and permitted assigns)

WHEREAS, each Member individually shall be referred to as the “Member” and both the Members shall be collectively referred to as the “Members” in this Agreement.

WHEREAS Rajasthan Electronics & Instruments Ltd.(REIL) (hereinafter referred to as the “Authority” which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited bids (the “Bids”) on behalf of REC Foundation by its NIT No. ----- (the “NIT”) for selection of bidders for Supply, Installation& Commissioning &Testing and comprehensive O&M of 5 years of Solar Street Lighting System . on turnkey basis

WHEREAS the NIT documents stipulates that the Lead Member may enter into a Technical Consortium Agreement with another Company / Corporate entity to fulfill the Technical Eligibility Criteria as stipulated in the NIT document. The Members of the Bidding Consortium will have to submit a legally enforceable Consortium Agreement in a format enclosed with the NIT document.

NOW THEREFORE, THIS AGREEMENT WITNESSTH AS UNDER:

In consideration of the above premises and agreements all the Members in this Consortium do hereby mutually agree as follows:

1. We, the Members of the Consortium and Members to the Agreement do hereby unequivocally agree that (M/s-----), shall act as the Lead Member as defined in the NIT for self and agent for and on behalf of Technical Member -----.
2. The Lead Member is hereby authorized by the Technical Member of the Consortium to bind the Consortium and receive instructions for and on their behalf.
3. The Lead Member shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium in discharging all of their respective obligations. Each Member further undertakes to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in this Agreement.
4. Subject to the terms of this Agreement, the Technical member shall be responsible for providing technical knowledge for “Design, Manufacture, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance” to the lead member.
5. In case of any breach of any commitment by any of the Consortium Members, the Lead Member shall be liable for the consequences thereof.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 46 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

6. This Agreement shall be construed and interpreted in accordance with the Laws of India and courts at Jaipur alone shall have the exclusive jurisdiction in all matters relating thereto and arising there under.
7. It is hereby further agreed that in case of being shortlisted, the Members do hereby agree that they shall abide by the terms & conditions of the NIT document.
8. It is further expressly agreed that this Agreement shall be irrevocable and shall form an integral part of the NIT submitted to REIL and shall remain valid till completion of the job assigned to the Contractor.
9. The Lead Member is authorized and shall be fully responsible for the accuracy and veracity of the representations and information submitted by the Members respectively from time to time in the response to NIT.
10. It is hereby expressly understood between the Members that no Member at any given point of time, may assign or delegate its rights, duties or obligations under this agreement without the explicit permission of REIL.

11. This Agreement

- (a) Has been duly executed and delivered on behalf of each Member hereto and constitutes the legal, valid, binding and enforceable obligation of each such Member;
- (b) Sets forth the entire understanding of the Members hereto with respect to the subject matter hereof; and
- (c) May not be amended or modified except in writing signed by each of the Members and with prior written consent of REIL.

IN WITNESS WHEREOF, the Members have, through their authorized representatives, executed these present on the Day, Month and Year first mentioned above.

For M/s----- (Lead Member)

-----

(signature, Name & Designation of the person authorized vide Board Resolution Dated -----)

Witnesses:

1) Signature-----

2) Signature -----

Name:

Name:

Address:

Address:

For M/s----- [Technical Member]

-----

(signature, Name & Designation of the person authorized vide Board Resolution Dated :-----)

Witnesses:

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 47 of 77	Signature of Bidder
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**POWER OF ATTORNEY**

(To be on non-judicial stamp paper of appropriate value as per Stamp Act.)

(Power of Attorney to be provided by the Bidding Company in favour of its representative as evidence of authorized signatory's authority)

Know all men by these presents, We ..... (name and address of the registered office of the Bidding Company as applicable) do hereby constitute, appoint and authorize Mr./Ms. .... (name & residential address) who is presently employed with us and holding the position of ..... as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for "Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis" in response to the NIT No ..... dated ..... issued by Rajasthan Electronics & Instruments Ltd. (REIL), Jaipur including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the REIL may require us to submit. The aforesaid Attorney is further authorized for making representations to the REIL Jaipur and providing information / responses to REIL, Jaipur representing us in all matters before REIL Jaipur and generally dealing with REIL Jaipur in all matters in connection with Bid till the completion of the bidding process as per the terms of the above mentioned NIT.

We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the NIT.

Signed by the within named

.....(Insert the name of the executant company) through the hand of

Mr.....

Duly authorized by the Board to issue such Power of Attorney

Dated this.....day of..... Accepted

.....

Signature of Attorney

(Name, designation and address of the Attorney)

Attested

..... (Signature of the executant)

(Name, designation and address of the executant)

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 48 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

.....

Signature and stamp of Notary of the place of execution

Common seal of.....has been affixed in my/our presence pursuant to Board of Director's Resolution dated.....

WITNESS

1. .... (Signature)

Name.....

Designation.....

2. .... (Signature)

Name.....

Designation.....

Notes:

The mode of execution of the power of attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and the same should be under common seal of the executant affixed in accordance with the applicable procedure. Further, the person whose signatures are to be provided on the power of attorney shall be duly authorized by the executant(s) in this regard.

The person authorized under this Power of Attorney, in the case of the Bidding Company being a public company, or a private company in terms of the Companies Act, 1956, with a paid up share capital of more than Rupees Five crores, should be the Managing Director / whole time director/manager appointed under section 269 of the Companies Act, 1956. In all other cases the person authorized should be a director duly authorized by a board resolution duly passed by the Company.

Also, wherever required, the executant(s) should submit for verification the extract of the chartered documents and documents such as a Board resolution / power of attorney, in favour of the person executing this power of attorney for delegation of power hereunder on behalf of the executant(s).

<p>Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation &amp; Maintenance for 5 years of Solar Street Light System.</p>	<p>NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001</p>	<p>Page 49 of 77</p>	<p>Signature of Bidder</p>
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**FINANCIAL ELIGIBILITY CRITERIA REQUIREMENT (AS PER CLAUSE 3.2.3, PART-II)**

(To be submitted on the letterhead of Bidding Company)

To,

**Add. General Manager (P&MM)**

RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

2,Kanakpura Ind. Area

Sirsi Raod

JAIPUR-302034

Dear Sir,

**Sub:** Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.

We submit our Bid for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis for which details of our Financial Eligibility Criteria Requirements are as follows.

Further, we certify that the Financially Evaluated Entity (ies) had an average Annual Turnover----- and Net worth of Rs.....Crore for the year 2020-21 based on unconsolidated audited annual accounts of the last 3 Years .

Name of Financially Evaluated Entity*	Relationship with Bidding Company**	Financial year	Year of Incorporation	Annual Turnover (Rs. Crore)	Net worth Rs. Crore)
		2018-19			-
		2019-20			-
		2020-21			
Average:					

\* The Financially Evaluated Entity may be the Bidding Company itself.

\*\* The column for "Relationship with Bidding Company" is to be filled in only in case financial capability of Parent Company has been used for meeting Qualification Requirements.

Yours faithfully

Signature and stamp (on each page) of Authorized Signatory of Bidding Company.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 50 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

Name: .....

Date: .....

Place: .....

Signature and stamp (on each page) of Chartered Accountant/Statutory Auditors of Bidding Company.

Name: .....

Date: .....

Place: .....

<p>Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation &amp; Maintenance for 5 years of Solar Street Light System.</p>	<p>NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001</p>	<p>Page 51 of 77</p>	<p>Signature of Bidder</p>
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**FORMAT FOR CERTIFICATE OF RELATIONSHIP OF PARENT COMPANY WITH THE BIDDING COMPANY**

(To be submitted on the letterhead of Bidding Company)

To,

**Add. General Manager (P&MM)**

RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

2,Kanakpura Ind. Area

Sirsi Raod

JAIPUR-302034

Dear Sir,

**Sub:** Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis.

We hereby certify that M/s....., is the Parent Company of the Bidding Company as per the definition of Parent Company as provided in this NIT and based on details of equity holding as on seven (7) days prior to the Bid Deadline.

The details of equity holding of the /Parent Company/Bidding Company or vice versa as on seven (7) days prior to the Bid Deadline are given as below:

Name of Bidding Company	Name of the Parent Company of the Bidding Company	Percentage of Equity Holding of Parent Company in the Bidding Company

.....

(Insert Name and Signature of Statutory Auditor or practicing Company Secretary of the Bidder)

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 52 of 77	Signature of Bidder
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**UNDERTAKING FROM THE FINANCIALLY EVALUATED ENTITY OR ITS PARENT COMPANY**

(On the Letter Head of the Financially Evaluated Entity or its Parent Company)

To,

**Add. General Manager (P&MM)**

RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.

2,Kanakpura Ind. Area

Sirsi Raod

JAIPUR-302034

Dear Sir,

We refer to the NIT No.....dated.....for for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis”.

“We have carefully read and examined in detail the NIT, including in particular, Clause ....of the NIT, regarding submission of an undertaking, as per the prescribed Formats & Annexures of the NIT.

We confirm that M/s.....(Insert name of Bidding Company/) has been authorized by us to use our financial capability for meeting the Financial Eligibility as specified in Clause....of the NIT referred to above.

We have also noted the amount of the Performance Guarantee required to be submitted as per Clause....of the NIT the .....(Insert the name of the Bidding Company) in the event of it being selected as the Successful Bidder”.

In view of the above, we hereby undertake to you and confirm that in the event of failure of.....(Insert name of the Bidding Company) to submit the Performance Guarantee in full or in part at any stage, as specified in the NIT, we shall submit the Performance Guarantee not submitted by .....(Insert name of the Bidding Company)”.

We have attached hereto certified true copy of the Board Resolution Whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the NIT.

Signature of Authorised Signatory

Common seal of .....has been affixed in my/our presence pursuant to Board of Director’s Resolution dated.....

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 53 of 77	Signature of Bidder
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Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

WITNESS

.....

(Signature)

Name.....

Designation.....

.....

(Signature)

Name.....

Designation.....

<p>Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation &amp; Maintenance for 5 years of Solar Street Light System.</p>	<p>NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001</p>	<p>Page 54 of 77</p>	<p>Signature of Bidder</p>
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**FORMAT FOR CONTRACT AGREEMENT**

THIS AGREEMENT entered into this ----- day of ----- Two thousand -----at -----, between REIL on behalf of REC FOUNDATION having its registered office at -----ia and one of its offices at ----- (India) (herein after referred to as `Employer' which expression shall include all its legal successors, executors and assignees) of the one part and M/s. ----- established and existing under the Laws of ----- (name of the country), having its registered office at ----- (hereinafter referred to as `Contractor' which expression shall include its legal successors and permitted assignees) of the other part.

WHEREAS the Employer is desirous of contracting out the work of -----

AND WHEREAS the Employer had invited a Tender Inquiry vide their Tender Notice No. ----- --- dated ----- for the above-cited work.

AND WHEREAS the Contractor represents that it has expertise and technical know-how for carrying out the said Work and had submitted his offer as per Employer 's Bidding Documents in response to the above said Tender inquiry of the Employer vide the Contractor's bid no.----- dated-----.

AND WHEREAS pursuant to the above, the Employer has awarded to the Contractor the Contract for the said Work by its Work Order / Letter of Award of work vide no.----- dated ----- --; which is the effective date of commencement of this Contract and on the terms and conditions as agreed to by the two parties as of the said date of Work Order / Letter of Award of Work and as outlined in this Agreement (hereinafter also referred to as "the Contract").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- a) In this agreement, words and expression have the same meaning as are respectively assigned to them in NIT.
- b) The following documents annexed herewith shall be taken as mutually explanatory of one another and shall be deemed to form and be read and construed as integral parts of this Contract and in case of any discrepancy, conflict, dispute they shall be referred to in the order of priority as cited below:

- 1. Work Order / Letter of Award
- 2. Agreement
- 3. General Terms and Conditions of Contract.
- 4. Documents exchanged between the Employer and the Contractor, which have been agreed to by the Employer and the Contractor prior to issuance of Work Order / Letter of Award of Work and cited in following sections in the order of priority, in section.
  - a) Scope of work & Technical Specifications/ data sheets & Drawings if any
  - b) Special Condition of Contracts
  - c) Forms & Formates and annexures
  - d) Other sections not covered above
- 5.Contract price schedule
- 6.Project Instructions if any
- 7.Milestone Payment Schedule

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 55 of 77	Signature of Bidder
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8.Integrity Pact if any

- c) The Contract constitutes the entire Agreement between the Employer and the Contractor, with respect to the subject matter of the Contract and supersedes all communication, negotiations and Agreement (whether written or oral) of the parties with respect thereto made prior to the date of Agreement.
- d) The Contractor hereby covenants with Employer to perform the Work in conformity in all respect with provisions of the Contract and in consideration of the carrying out and completion of the Works by the Contractor, the Employer hereby covenants to pay the amounts at the times and in the manner described hereinafter.

IN WITNESS WHEREOF the parties here to have hereunto set their respective hands at -----  
 -( Name of place ) on the day and year first above written.

For and on behalf of Contractor

For and on behalf of REIL

WITNESSES

(1) -----

(1) -----

(2) -----

(2) -----

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 56 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**Performance Certificate**

(To be submitted on the letterhead of User Company)

To

Date:

**Add. General Manager (P&MM)**  
Rajasthan Electronics & Instruments Limited,  
2, Kanakpura Industrial Area,  
Jaipur-302034  
Rajasthan

Dear Sir,

We M/s. ....are certifying that ----- Nos of Solar Street Light System were Supplied / installed & Commissioned (Tick Mark) by M/s. .... on dated ----- and these are working satisfactory since last three years.

On behalf of company .....

Signed and sealed

**Note:** Generalized Performance Certificate on letter head of user Company may also be accepted which was issued after the date of NIT.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 57 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**CERTIFICATE FOR NON BLACK LISTING**  
(To be submitted on the letterhead of Bidding Company)

To

Date

**Add. General Manager (P&MM)**  
Rajasthan Electronics & Instruments Limited,  
2, Kanakpura Industrial Area,  
Jaipur-302034  
Rajasthan

Dear Sir,

We M/s. ....confirm that we are not blacklisted in any PSUs/Government/Semi Government /Quasi Government department in India, as on date of submission of bid. This undertaking is submitted to the best of my knowledge. If at any stage it is found wrong then REIL may take necessary action against us.

On behalf of company .....

Name and Designation

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 58 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**UNDERTAKING OF NO NEAR RELATIVE**

(To be submitted on the letterhead of Bidding Company)

To

Date

**Add. General Manager (P&MM)**  
Rajasthan Electronics & Instruments Limited,  
2, Kanakpura Industrial Area,  
Jaipur-302034  
Rajasthan

Dear Sir,

I.....S/o..... R/o..... hereby certify that none of my relatives) as defined in the tender document is/are employed in REIL unit as per details given in tender document. In case at any stage, it is found that the information given by me is false/incorrect, REIL shall have the absolute right to take any action as deemed fit/without any prior intimation to me.

On behalf of company .....

Name and Designation

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 59 of 77	Signature of Bidder
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**Undertaking from the Bidding Company on their Letter Head**

( For MSE’s Venders only-To be submitted on the letterhead of Bidding Company)

Name:  
Full Address:  
Telephone No.:  
E-mail address:  
Fax/No.:

To,  
  
Rajasthan Electronics & Instruments Ltd.  
2-Kanakpura Industrial Area,  
Jaipur-302034

Dear Sir,

We refer to the NIT No.....dated.....for “Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis”.

We have carefully read and examined in detail the NIT, including its amendments and clarifications as available on CPP Portal.

We confirm that M/s..... (Insert name of Bidding Company/) has fulfilled all the Requirements of MSME Act and as per the acknowledgement/certificate of MSEs provided by ..... (Insert name of Authority who has provided the MSEs Certificate), we are eligible for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of 1650 Nos. Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra on turnkey basis which the bid has been submitted by us in pursuance to the REIL’s NIT No.....dated.....

Further, we are complying and will continue to comply all terms and conditions of acknowledgement / certificate of MSEs until any further orders from the MSEs authority. Any change in the acknowledgement / certificate of MSEs submitted to REIL, shall be immediately apprised to REIL for their any further decision in this regard.

Further, we are also eligible for the benefits provided under MSEs Act, 2006 and any further order issued by Govt. of India in this regard prior to last date of bid submission for the aforementioned NIT.

In case any information provided/documents submitted or anything material or otherwise is found w.rt above undertaking, REIL shall have the right to cancel the Work Order to us and forfeit the Performance Bank Guarantee submitted by us. In addition to above, we (including our parent ) may also be debarred by REIL to participate in any future tender.

All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the NIT.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 60 of 77	Signature of Bidder
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Signature of Managing Director/Authorised signatory (with company Stamp)

Format- 15

**PRICE BID**

(Only filled On Line)

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/REC-SSLS/2020-21/001	Page 61 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**Process Compliance Form**

(Tenders are required to print on their company's letter head and signed, stamp before uploading)

To

**M/s. RAJASTHAN ELECTRONICS & INSTRUMENTS LTD.,**  
2, KANAKPURA INDUSTRIAL AREA, SIRSI ROAD,  
JAIPUR-302034

**Sub:-**Acceptance to the process related Terms and Conditions for the e-Tendering.

Dear Sir,

This has reference to the Terms & Conditions for e-Tendering mentioned in the Tender No.: REIL/PROJECT/ REC-SSLS/2021-22/001 Dated-----

We hereby confirm the following:-

- 1) The undersigned is authorized representative of the company.
- 2) We have carefully gone through the NIT, Tender Documents and the Rules governing the e-tendering as well as this document.
- 3) We will honor the Bid submitted by us during the e-tendering.
- 4) We undertake that if any mistake occurs while submitting the bid from our side, we will honor the same.
- 5) We are aware that if REIL has to carry out e-tender again due to our mistake, REIL has the right to disqualify us for this tender.
- 6) We confirm that REIL shall not be liable & responsible in any manner whatsoever for my/our failure to access & submit offer on the e-tendering site due to loss of internet connectivity, electricity failure, virus attack, problem with the PC, digital signature certificate or any other unforeseen circumstances etc.
- 7) We accept all the Compliance sheets attached with the NIT.

With regards

Signature with company seal

Name-  
Designation  
E-mail Id:  
Mob No:

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 62 of 77	Signature of Bidder
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**Tender ref.:** REIL/PROJECT/ REC-SSLS/2021-22/001

**Summary of Technical Experience**

Details of Orders Received & Executed for Supply/Installation & commissioning (Tick Mark) of **Solar Street Light System of similar nature** by SNA/ Govt. Organization during Last threeYears.

SL. No.	Name of Agency/ Organization	Purchase/Work Order No., Date	Ordered Qty	Supply Date	Installation & commissioning Date	Date of Performance Certificate

(Signature of Authorized Signatory)

Name :

Designation:

Seal:

**Note:**

1. Attach Photocopies of Purchase /Work Orders
2. Attach Photocopies of Certificate of Satisfactory Performance Issued by Concerned Nodal Agency/PSU/ Govt. Organization
3. Separate sheet may be used for giving detailed information in seriatim duly signed with page number. Proof of work order/purchase order and corresponding performance certificate should be submitted/enclosed in the bid. Non submission of the work orders and corresponding performance certificate will be treated as no experience.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 63 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**Certificate of Supply of Solar Street Lighting Systems received from the Consignee as Proof of Compliance by the Supplier**

**Certificate**

Name of Consignee :----- , Designation:-----

Name of Department :-----

Address of Department:-----

Certified that we have received the following materials for installation of -----Nos. of Solar Street Lighting Systems. The detail of the same is given below.

1. Serial nos. of SPV Modules (75Wp) & Make: Sheet attached-1
2. Serial nos. of LED Luminaries (12W) & Make: Sheet attached-2.
3. Serial nos. of Batteries (30 AH) with Battery Box & Make: Sheet attached-3( If out side the Luminaries)
4. Set of BOS items such as Pole, Bend Pipe, module mounting structure, wires and cables - Sheet attached-4
5. Other materials if any : -----

The above materials have been supplied by M/s-----  
on-----

Signature of Consignee along with Seal: -----  
Date-----

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 64 of 77	Signature of Bidder
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Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**Certificate of Installation of LED Based Solar Street Lighting Systems received from the Consignee as Proof of Compliance by the Supplier**

**Certificate**

Name of Consignee :----- , Designation:-----

Name of Department :-----

Address of Department:-----

Certified that M/s ..... has successfully installed -----Nos. of Solar Street Lighting Systems and are in working condition .The detail of the same is given below.

1. Serial nos. of Solar Street Light System : Sheet attached-A
2. Serial nos. of SPV Modules (75Wp) & Make: Sheet attached-1
3. Serial nos. of LED Luminaries (12W) & Make: Sheet attached-2.
4. Serial nos. of Batteries (30 AH) with Battery Box & Make: Sheet attached-3( If out side the Luminaries)

Signature of Consignee along with Seal: -----

Date-----

**Certificate of REIL Representative**

Certified that above Solar Street Lighting Systems have been successfully installed and are in working conditions.

Signature & Seal of Supplier

Signature & Seal of REIL's Representative

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 65 of 77	Signature of Bidder
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**Tender ref.:** REIL/PROJECT/ REC-SSLS/2021-22/001

**Format for Quarterly O&M and CMC Report**

[On the letterhead of Contarctor]

To

Date

**Add. General Manager (P&MM)**

Rajasthan Electronics & Instruments Limited,  
2, Kanakpura Industrial Area,  
Jaipur-302034  
Rajasthan

**Sub:** CMC of Solar Street Light Systems in rural and tribal areas of Nashik District of Maharashtra.

Name of Taluka :.....

Name of Technicians:.....

Period of CMC:.....

SNo.	Place of Installed System	Date of Installation	Serial nos. of Solar Street Light System	Date of Site Visit/CMC	Fault observed	Fault Repaired	Status of the system

Signature & Seal of Contractor

Signature & Seal of Consignee

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 66 of 77	Signature of Bidder
--	---	---------------	---------------------



Tender ref.: REIL/PROJECT/ REC-SSLS/2021-22/001

**Warrantee Card**

(To be submitted in the official letter head of the company during the supply of the materials)

SNO.	DESCRIPTIONS	DETAILS
1.	Name & Address of the Manufacturer/ Supplier of the System	
2.	Name & Address of the Purchasing Agency	
3.	Date of Supply of the System	
4.	Details of PV Module(s) Supplied in the System	
	( a) Name of the Manufacturer	
	(b) Make	
	(c) Model	
	(d) Serial No.	
	(e) Wattage of the PV Module(s) under STC	
	(f) Guarantee Valid Up To	
5.	Details of Battery	
	(a) Name of the Manufacturer	
	(b) Make	
	(c) Model	
	(d) Batch/Serial No(s).	
	(e) Month & Year of Manufacture	
	(f) Rated V & AH Capacity at C/20 or C/10 Rated at 27°C	
	(g) Guarantee Valid Up To	
6.	Details of Luminaries	
	(a) Name of the Manufacturer	
	(b) Make	
	(c) Model	
	(d) Serial No(s).	
	(e) Month & Year of Manufacture	
	(f) Guarantee Valid Up To	
7.	Designation & Address of the Person to be Contacted for Claiming Warrantee Obligations	

(Signature of Authorized Signatory with Name Designation & Seal)

**Filling Instructions:**

1. The LED BASED SSLS components will be generally guaranteed as per NIT. The manufacturer can also provide additional information about the system and conditions of Guarantee as necessary. The Guarantee card to be supplied with the system must contain the details of the system supplied as per format given above.
2. During the Guarantee period REIL reserve the right to cross check the performance of the systems for their minimum performance levels specified in the NIT.

Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System.	NIT No.: REIL/PROJECT/ REC-SSLS/2020-21/001	Page 67 of 77	Signature of Bidder
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**BANK DETAILS FOR E-PAYMENT & BANK GUARANTEE (BG)**

<b>SNO.</b>	<b>DESCRIPTION</b>	<b>REIL DETAIL</b>
01.	Name & Address	Rajasthan Electronics & Instruments Ltd., Jaipur 2, Kanakpura Industrial Area Sirsi Road,Jaipur
02.	Contact No.	Tel.: (0141)2470062, 2470908, Fax No. 0141-2470531
03.	Name and Address of the Bank	Punjab National Bank, Mid Corporate Branch, M.I. Road, Jaipur, Rajasthan
04.	Branch Code	0221
05.	Account No.	0221008700000152
06.	MICR Code	302024003
07	IFSC Code	PUNB0022100
08.	GSTIN of REIL	08AABCR1528G1ZL
09.	PAN No. of REIL	AABCR1528G



**LIST OF BANK**

<b>1. SCHEDULED COMMERCIAL BANKS</b>	<b>2. OTHER PUBLIC SECTOR BANKS</b>
<b>SBI AND ASSOCIATES</b>	1. IDBI Bank Ltd.
1. State Bank of India	<b>3. FOREIGN BANKS</b>
	1. Bank of America NA
	2. Bank of Tokyo Mitsubishi UFJ Ltd.
2. State Bank of Indore	3. BNP Paribas
	4. Calyon Bank
	5. Citi Bank N.A.
	6. Deutsche Bank A.G
<b>NATIONALISED BANKS</b>	7. The HongKong and Shanghai Banking Corpn. Ltd.
1. Allahabad Bank	8. Standard Chartered Bank
2. Andhra Bank	9. SocieteGenerale
3. Bank of India	10. Barclays Bank
4. Bank of Maharashtra	11. Royal Bank of Scotland
5. Canara Bank	12. Bank of Nova Scotia
6. Central Bank of India	13. Development Bank of Singapore (DBS, Bank Ltd.)
7. Corporation Bank	14. Other Foreign bank which brance in India
8. Dena Bank	<b>4. SCHEDULED PRIVATE BANKS</b>
9. Indian Bank	1. Federal Bank Ltd.
10. Indian Overseas Bank	2. Kotak Mahindra Bank Ltd.
11. Oriental Bank of Commerce	3. Axis Bank Ltd.
12. Punjab National Bank	4. ICICI Bank Ltd.



Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

13.Punjab & Sind Bank	5. HDFC Bank Ltd.
14.Syndicate Bank	6. Yes Bank Ltd.
15.Union Bank of India	7. IDFC Bank Ltd.
16.United Bank of India	8. IndusInd Bank
17.UCO Bank	9. KarurVysya Bank
18.Vijaya Bank	10. South Indian Bank
19.Bank of Baroda	



**DETAIL OF SITES**

<b>०१. नाशिक तालुका</b>		
अ.न. (S.R.Number)	ग्रामपंचायतीचे नाव (Name Of Grampanchayat)	मागणी केलेले सौरपथदीप संख्या (Solar Street Light Demand)
१	सारुळ	२५
२	तळेगाव अं.	२०
३	जातेगाव	२५
४	गंगा म्हाळुंगी	३०
५	गंगावहे	२५
६	दुगाव	३५
७	महादेवपूर	२५
८	वाडगाव	१५
९	चांदशी	१०
१०	नागलवाडी	२५
११	गणेशगाव त्र्यंबक	१२
१२	राजेवाडी	१२
१३	देवरगाव	०९
१४	शिवणगाव	०६
१५	पिंपळद (नाशिक)	२५
१६	नाईकवाडी	१२
१७	गणेशगाव (नाशिक)	१२
१८	महिरावणी	१२
१९	राजूर बहुला	१५
२०	वासळी	०३
२१	दोढगाव	०८
२२	इंदिरानगर	०५
२३	गौळाणे	१५
२४	ओझरखेड	२४
२५	गोवर्धन	२०
२६	दुडगाव	१२
२७	गिरणारे	१२
२८	दरी	०९
२९	ससरी	२५
३०	दहेगाव	१२
३१	दोनवाडे	२०
३२	पिंपळगाव गरुडेश्वर	१०
३३	जलानपूर	२५
	<b>कुल</b>	<b>५५०</b>

<b>०२. सिन्नर तालुका</b>		
अ.न.	ग्रामपंचायतीचे नाव	मागणी केलेले सौरपथदीप संख्या



Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

(S.R.Number)	(Name Of Grampanchayat)	(Solar Street Light Demand)
१	आगासखिंड	०५
२	आशापुरी / घोटेवाडी	०६
३	आठकवडे	०५
४	बेलु	१६
५	भोकणी	०५
६	भाटवाडी	०५
७	चिंचोली	०८
८	चास	१८
९	दोडी बुद्रूक (शिंदेवाडी)	१३
१०	दापूर	१०
११	देवपूर	०५
१२	दातली	११
१३	धुळवाड	१६
१४	धोंडबार	०६
१५	डुबेरे	१५
१६	गोंदे	०५
१७	गुळवंच	१०
१८	घोरवड	१०
१९	हिवरगाव	०५
२०	हरसुले	०५
२१	जोगलटेंभी	०५
२२	जायगाव	०५
२३	कासारवाडी	१०
२४	किर्तागळी / एकलहरे	१५
२५	कोलांबे	१०
२६	खडागळी	०५
२७	मेंढी	०५
२८	मनेगाव	१५
२९	मुसळगाव	०५
३०	नळवाडी	१०
३१	नांदूरशिगोटे	१०
३२	शिवडे	१०
३३	सोमठाणे	१०
३४	सायाळे	१०
३५	सोनांबे	१०
३६	पांडुर्ली	१०



३७	पांगरी बुद्रूक	०५
३८	पंचाळे	१०
३९	पाथरे खुर्द	१०
४०	सोनगीरी	०६
४१	सावतामाळी नगर	०६
४२	ठाणगाव	१५
४३	विंचूर दळवी	१०
४४	वडाळी	१०
४५	वडगाव (सिन्नर)	१०
	<b>कुल</b>	<b>४०६</b>

### ०३. इगतपुरी तालुका

अ.न. (S.R.Number)	ग्रामपंचायतीचे नाव (Name Of Grampanchayat)	मागणी केलेले सौरपथदीप संख्या (Solar Street Light Demand)
१	वाळविहिर	०३
२	काळुस्ते	०८
३	बोरली	३२
४	चिंचाळखैरे	२१
५	मुढेंगाव	१७
६	कोरपगाव	०१
७	घोटी खूर्द	१३
८	भरवीर बुद्रूक	२४
९	धारगाव	५०
१०	तळोशी	०७
११	वाकी	०३
१२	भरवीर खूर्द	३०
१३	भावली खूर्द	१२
१४	खंबाळे	३०
१५	कुशेगाव	२०
१६	म्हसुर्ली	०८
१७	पिंपळगाव भटाटा	२०
१८	कुन्हेगाव	१५
१९	निनावी	०८
२०	बोरटेंभे	१०
२१	मानवेडे	१५
२२	नांदगाव सदो	०५





Notice Inviting Tender for Design, Supply, installation, testing, Commissioning with Comprehensive Operation & Maintenance for 5 years of Solar Street Light System .

२३	बेलगाव कुन्हे	१५
२४	पिपळगाव गाडगा	१५
२५	मुरंबी	१५
२६	कांचनगाव	४०
२७	धानोर्ली	२८
२८	सांजेगाव	१३
२९	नागोस्ती	१०
३०	आहुर्ली / वांजोळे	१०
३१	कुरंगवाडी	१२
३२	वाडीवन्हे	३०
३३	वासाळी	२५
३४	ओंडली	२०
३५	लक्ष्मीनगर	०५
३६	तळोघ	१५
३७	शेणीत	१५
३८	माळुंजे	१०
३९	फांगुळगव्हाण	२०
४०	आधरवड	०७
४१	टाकेद खूर्द	१०
४२	उभाडे	०५
४३	बेळगाव तन्हाळे	२२
	<b>कुल</b>	<b>६९४</b>

Brief site detail is given below,

SNO.	Tehsil /Taluka	QTY.
01.	Nashik Taluka	550
02.	Sinnar Taluka	406
03.	Igatpuri Taluka	694
	<b>TOTAL</b>	<b>1650</b>

**SITE MAP**

**०१. नाशिक तालुका**

