



RAJASTHAN RENEWABLE ENERGY CORPORATION LIMITED

Tender Document

FOR

**THE WORK OF DESIGN, SUPPLY, INSTALLATION, TESTING,
COMMISSIONING & COMPREHENSIVE MAINTENANCE FOR
5 YEARS OF SPV POWER PLANTS OF
“5 KW PV CAPACITY WITH HYBRID PCU & BATTERY BANK”
EACH IN 63 Nos. SHARDE GIRL’S HOSTELS
IN DIFFERENT DISTRICTS OF
RAJASTHAN.**

***NIT No: RREC/Off-grid SPV PPs. / RCSE/Girl’s Hostels/2018-19/ 01 ,
Dated:03/4/2018.***

Note : Tender document cost : Rs. 1000/-

**E-166, Yudhisthir Marg, C-Scheme, Jaipur-302001 - INDIA
Tel:2225859 / 2221650 / 2229341 Fax : 0141-2226028**

NIT No: RREC/Off-grid SPV PPs. / RCSE/Girl's Hostels/2018-19/ 01 , Dated: 03/4/2018..

This tender by RREC is for selection of vendors for the work of supply, installation, testing, commissioning of **5kW** SPV off-grid Systems (Total 63 Nos. RCSE Girl's Hostels/ Sharde Girl's Hostels of Rajasthan Council of Secondary Education in different districts in Rajasthan. The quantity of hostels may change as budget allocations.

This Tender Documents along with Formats, Annexure etc. is issued to -

M/s. _____

NOTE:

- (i) This document is not transferable.
- (ii) Though adequate care has been taken while preparing the tender Documents, the Bidder shall satisfy himself that the document is complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from any Bidder within ten days from the date of issue of the bid documents, it shall be considered that the bid document is complete in all respects and has been understood completely by the Bidder.
- (iii) The Rajasthan Renewable Energy Corporation Limited (RREC) may modify, amend or supplement this tender Document including Capacity Allocation.
- (iv) The selection of Bidders shall be carried out through e-procurement process. Proposal/Bids are to be submitted online in electronic format on website **<http://eproc.rajasthan.gov.in>**. as per tender document.
- (v) Please see regularly our website www.energy.rajasthan.gov.in/rrecl/ for latest up-date after issue of this tender. All modification / amendment /clarification / information etc. shall be available on the website of e-proc. only.
- (vi) RREC may at its discretion, extend the deadline for submission of the Proposals.
- (vii) **Correspond at:-**

The Managing Director,
Rajasthan Renewable Energy Corporation Ltd.,
 E-166, Yudhisthir Marg, C-Scheme,
 Jaipur (Raj.), 302001
 Tel: 0141-2221650 / 2229341/ 2229055
 Fax: 0141-2226028
 Email:rrec2016@gmail.com.



RAJASTHAN RENEWABLE ENERGY CORPORATION LIMITED

(Government of Rajasthan Undertaking)

E-166, Yudhisthir Marg, C-Scheme, Jaipur

Phone: 0141-2229055 / 2221650 / 2225859, Fax: 2226028

Brief of Schedule of Dates of Tender:

Programme & detail of work	Supply, Installation, Testing, Commissioning and Maintenance for 5 Years of 5 kW SPV off-grid Systems with Battery bank each in 63 Nos. at RCSE Girl's Hostels/ Sharde Girl's Hostels in different Districts of Rajasthan.
Work Area:	As per list attached in different districts of Rajasthan.
NIT No:	<i>NIT No: RREC/Off-grid SPV PPs. / RCSE/Girl's Hostels/2018-19/01 , Dated: 03/4/2018..</i>
Estimated Capacity of Project	63 Nos. of 5 kW PV Capacity each.
Estimated Project Cost:	Rs. 260 Lakhs { 315 KW PV Capacity in Total }
Earnest Money Deposit:	Rs. 5.25 Lakh
Date of downloading { The tender can be downloaded from web site http://eproc.rajasthan.gov.in }	9th April, 2018 12.30 p.m. to 8th May, 2018 upto 5.00 p.m.
Last Date of online submission of Tender	8th May, 2018 upto 5.00 p.m.
Date of submission of Envelope-1at RREC Head Office { in Hard Copy }	9th May, 2018 upto 3.00 p.m.
Date of Opening of online Technical bid (Cover -1 & Cover-2)	10th May, 2018 at 4.00 p.m.
Date of opening of Financial bid of eligible bidders (cover-3)	Shall be intimated after evaluation of Technical bid.
Date of Completion of work.	In EIGHT Months from date of award of work.
Cost of Tender:	Rs. 1000/- in favour of MD, RREC payable at Jaipur.
e-proc Charges:	Rs. 1000/- in favour of MD, RISL, payable at Jaipur.

NOTE: Proposals are to be submitted online in electronic format on website www.eproc.rajasthan.gov.in with scanned copies of all required documents. Documents regarding EMD, Tender Fee and RISL Charges to be submitted in physical form as detailed hereunder:

INSTRUCTIONS TO BIDDERS

1. The bidders are requested to submit their bids prior to last date of submission to avoid Non-submission of their bids up to prescribed date & time due to non-availability / hanging of website, at either ends, at last moment or any reason whatsoever. The last date of submission of bids will not be extended on such account.

2. The tender cost, Earnest Money and e-tender processing fees of RISL, in Envelope-1(in Physical FORM), is to be deposited in RREC office as per above time schedule. This is essential otherwise the Technical and financial bid in electronic form will not be opened of that bidder.

3. The bidder should have to deposit Fee Documents and other documents as required in

Envelope-1: i.e :

- (1) The DD/Banker's Cheque of prescribed cost of tender Fee Rs. 1000/- and
- (2) EMD Rs. 5.25 lacs by way of DD/Banker's Cheque in favour of **The Managing Director, RREC, payable at Jaipur;**

All provisions regarding exemptions of EMD shall be as per provisions of RTPP Act and GF&AR of GoR will be applicable. Whereas it is described:

(i) Undertakings, corporations, autonomous bodies, registered societies, corporative societies which are controlled/ managed by Government, Government Undertakings and companies of Union Government and Government of Rajasthan.

(Under rule 57(2)(a)(i) of GF&AR–Part-II (FD Order No. F1(1)FD/GF&AR/93-II, Dated: 01/07/1996.)

Government undertakings PSUs are exempted for EMD deposition on producing certificate issued by competent authority.

(ii) As per RTPP Act 2013,Rule 42 (2) in case of open competitive bidding, two-stage bidding, rate contract, electronic reverse auction, bid security shall be 2% or as specified by the State Government of the estimated value of subject matter of procurement put to bid. **In case of SMALL SCALE INDUSTRIES OF RAJASTHAN it shall be 0.5%** of the quantity offered for supply and in case of sick industries, other than small scale industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of Bid. Concessional bid security may be taken from registered bidders as specified by the State Government. Every bidder, if not exempted participating in the procurement process shall be required to furnish the bid security as specified in the tender document.

A Certificate of Registration under DIC's in Rajasthan should require to be submitted in proof of SSI unit of Rajasthan for getting benefit of exemption in EMD deposition.

- (3) The prescribed Processing Fee of RISL by way of DD/Banker's Cheque in favour of **Managing Director, RajCOMP Info Services Ltd. (RISL), payable at Jaipur.**

The Tender cost, Earnest Money (Required documents for getting benefit of exemption as mentioned) and e-tender processing fees of RISL, in Envelope-1, is to be deposited at RREC Head Office up to 5.00 p.m on 9/5/2018 as per time schedule. This is essential otherwise the bid in electronic form (Cover I, II &Cover III) will not be opened of that bidder.)

4. The Cover -1 will be opened on **10/5/2018 at 4.00 P.M.**, in the presence of bidders who wish to be present. Please note that in case DD/Pay order (payable at Jaipur) of requisite amount towards cost of tender, cost of processing fee of RISL, and requisite value towards Earnest Money is not found as per bid document, then the technical bids

and financial bid in electronic form (Cover-2 & Cover-3) will not be opened of that Tenderer/bidder.

5. Cutting / overwriting if any in the figures of the tendered documents is required to be clarified / indicated in words, duly signed, failing which the tender may be rejected.
6. Deviation of any kind is “not” to be quoted in the financial bid. Such deviations shall not prevail.
7. The bidders should provide complete information at the time of submission of bid. If the bidders are asked to furnish some more clarification/confirmation/document, they shall be required to furnish the same within specified time, failing which the case shall be finalized /decided on the basis of available information/documents. The responsibility of ignorance of their bid on account of delay in furnishing of desired information/documents shall be of the bidder. However, if there are any shortcomings in the submission of the information which not materially affects the qualification criterion, then the Bid Evaluation Committee shall have the power to consider the facts on the merit of the case and decide the bid evaluation accordingly.
8. **All tender documents should essentially be signed digitally and submitted/uploaded on <http://eproc.rajasthan.gov.in> in time as per checklist.**
9. Bidders who wish to participate in this tender, will have to register on <http://eproc.rajasthan.gov.in> (bidders registered earlier on the eproc.rajasthan.gov.in, need not to get registered again). To participate in online tenders, Bidders will have to procure Digital Signature Certificate (Class II & Class III) as per requirement under Information Technology Act-2000 using which they can sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency or they may contact e-Procurement Cell, Department of IT & C, Government of Rajasthan on the following address:-

Address: e-Procurement Cell, RISL, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur, e-mail: eproc@rajasthan.gov.in
10. Bidders are also advised to refer “Bidders Manual” available under “Downloads” section on <http://eproc.rajasthan.gov.in> for further details about the e-tendering process.
11. **All the required information shall be furnished strictly in the prescribed Formats only. Any information indicated other than the prescribed Formats shall not be entertained.** The bid shall be evaluated on the basis of information furnished in the prescribed Formats only.

12. CHECK LIST:

List of required Formats/documents to be submitted online duly signed digitally by Authorized Signatory:

- 1) **Cover-1:-** Up load the scanned copy of DD/Pay Order towards Cost of tender document, EMD and processing fee of RISL (for Exemption in EMD, Documents as required are to be scanned and submitted also (in .pdf))
- 2) **Cover- 2:** - All Non-financial information in the Formats as per tender (in .pdf).
- 3) **Cover-3:** - Price bid as per Format attached. **(on-line only)**

NOTE:- The financial bid (Price bid) is to be submitted **as per format Annexure-4. (on-line only)**. This format is to be downloaded from <http://eproc.rajasthan.gov.in>, filled & uploaded back to <http://eproc.rajasthan.gov.in>. Bid may be rejected if look alike format (.xls) is created/ filled and uploaded on <http://eproc.rajasthan.gov.in>

13. Correspondence for enquiries and clarifications

All correspondence in respect of the tender and submission of the Tender shall be addressed to:

The Managing Director,

Rajasthan Renewable Energy Corporation Ltd.,

E-166, Yudhisthir Marg, C-Scheme,

Jaipur (Raj.), 302001, Tel: 0141-2225859 / 2229341/ 2229055

Fax: 0141-2226028 ,Email: rrec2016@gmail.com

Contact Person:

<p>Mr. S.K. Baswal, Director (Technical), RREC, E-166, Yudhisthir Marg, C-Scheme,Jaipur-302001, Rajasthan. 0141-2229341, Email : rrec2016@gmail.com</p>	<p>Mr. Sunit Mathur, GM (RE&O), E-166, Yudhisthir Marg, C-Scheme, Jaipur - 302001, Rajasthan. Fax: 0141- 2226028 Email: sunitmathur2016@gmail.com</p>	<p>Mr. K.C. SONI, PM (RE&O), RREC, E-166, Yudhisthir Marg, C-Scheme,Jaipur - 302001, Rajasthan. Fax: 0141- 2226028 Email: rrecsoni15@gmail.com</p>
--	--	---

CONTENTS

SECTION NO.	TOPIC	PAGE NO.
-----	BRIEF OF SCHEDULE OF DATES	3
SECTION-1	INTRODUCTION & ABBREVIATIONS	8-9
SECTION-2	SCOPE OF WORK AND FUNDING PATTERN	10-11
SECTION-3	COMPETENCE & EXPERIENCE	12
SECTION-4	FINANCIAL CAPABILITY	13
SECTION-5	PRICE SCHEDULE	14
SECTION-6	PRE-REQUISITES AND PROPOSAL EVALUATION	15-18
SECTION-7	COMPLETION PERIOD	19
SECTION-8	INSTRUCTIONS TO TENDERERS	20-22
SECTION-9	TERMS & CONDITIONS OF TENDER	23-29
SECTION-10	MODE OF AWARD OF TARGETS	30
SECTION-11	WORKS CONTRACT	31
SECTION-12	LIST OF ANNEXURES	32

SECTION – 1

INTRODUCTION & ABBREVIATIONS

1. Background

With the help of funding from Rajasthan Council of Secondary Education, Jaipur, RREC wishes to select competent, experienced and financially sound manufacturers / suppliers to supply, install, commissioning and to maintain Solar Photovoltaic 63 nos. Off-grid SPV Systems of 5 kW PV capacity each in 63 Nos. RCSE Girl's Hostels/ Sharde Girl's Hostels of different districts of Rajasthan as per list (Annexure-14). RREC would release the payment to the eligible manufacturer/supplier after installation of systems as per terms and conditions of this tender.

Above work is to be carried out on '**Turn Key Basis**' which includes supply of SPV systems with all accessories and equipments, installation, testing, commissioning and maintenance thereof for five years. **Presently proposed quantity is of 5kW (63 Nos.) PV capacity with battery backup. This quantity may further increase as per availability of allocations of funds for this programme from Rajasthan Council of Secondary Education, Jaipur.**

2. Mode of Execution of Programme:

The basis of evaluation of the bids shall be the cost/rate quoted in the Price Schedule. To further clarify, installation, testing and commissioning cost and taxes etc. shall be inclusive to the cost of supply of complete system including five years comprehensive maintenance for comparison and evaluation. Proposers are required to quote rate / cost on firm basis and no price variation on any account shall be considered.

The selected manufacturers / authorised suppliers shall supply, install, test, commission systems and **provide maintenance services for 5 years**. They should provide a toll free/customer care number for people to call in case of feedback/complaints and for providing effective maintenance. They shall also be required to set up their repair and maintenance centres for providing effective repair/maintenance services to the beneficiaries / users and meet conditions given in Section 2.

The Programme shall be carried out as per guidelines at Section-2 and as given hereunder:-

- (i) The supplier shall be allowed to install the systems conforming to the MNRE specifications / guidelines after authorisation by RREC.
- (ii) The supplier may submit cost/subsidy claims to Rajasthan Council of Secondary Education, Jaipur and then to RREC by submitting complete documents as detailed under 9.7 (A) (a) (i to iii) along with inspection report by joint team of RREC's field Project Officer and authorised Warden/Incharge of RCSE girl's Hostels/ Sharde Girl's hostels of Rajasthan Council of Secondary Education, Jaipur.

2. Abbreviations / Terms:

- | | | |
|-------|-------------------------|---|
| i) | RREC : | Rajasthan Renewable Energy Corporation Limited |
| ii) | Manufacturers : | Manufacturers of SPV Systems (Meeting technical specification and other parameters specified by MNRE). |
| iii) | Channel Partners: | MNRE Approved Channel Partners. |
| iv) | RFP : | Request for Proposal. |
| v) | EMD : | Earnest Money Deposit. |
| vi) | SD : | Security Deposit. |
| vii) | Systems : | SPV Off-grid Systems. |
| viii) | Proposal : | Tender / Bid / Quotation. Tender / Bid / Quotation. |
| ix) | Proposer : | Tender/Bidder/Applicant. Tender/Bidder/Applicant. |
| x) | Cost of System : | Total of Price of System. |
| xii) | Amount payable by RREC: | Subsidy amount only. |
| xiii) | Subsidy : | Capital cost support as sanctioned by MNRE, GoI. |
| xiv) | CMC: | Comprehensive Maintenance Contract [Which includes maintenance of system with replacement of parts (including Battery) free of cost]. |

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 2

SCOPE OF WORK AND FUNDING PATTERN

Scope of work covers Design, supply, installation, testing, commissioning including 5 years comprehensive maintenance of SPV Systems (5kW PV capacity with battery backup) in 63 Nos RCSE Girl's Hostels/Sharde Girl's Hostels in different districts of Rajasthan (As per list of Hostels attached at Annexure-14) conforming to technical specification enumerated in relevant JNNSM technical specifications/guidelines and amended from time to time. Detailed scope of work is given here under:-

2.1 Work of installation of off-grid SPV Systems shall involve :

- (a) Entering into supply and comprehensive maintenance contract (CMC) agreements with Hostels and Rajasthan Council of Secondary Education, Jaipur. CMC shall be for five years to cover over all maintenance of the system including replacement of parts free of cost. Replacement of parts shall be against manufacturing defect and performance issues.
- (b) Completion of work of supply, installation, commissioning and testing as per time schedule given.
- (c) The supplier shall also take comprehensive insurance of the system for 5 years.
- (d) Establishing "After sales service centres" in concerned area to cater the maintenance needs and provide toll free/complaint number to beneficiary Hostels.
- (e) Supplier shall take insurance policy for the system against damage, theft during transit of the system and theft, burglary and natural disaster with his cost compulsorily for 5 years period. If such cases arise, supplier will be responsible to replace the system/part within three months period to make the system operational.

2.2.1 The Project cost shall include all the costs related to above Scope of work. Bidder shall quote for the entire facilities on a "single responsibility" basis such that the total Bid Price shall cover the obligations mentioned in the Bidding Documents in respect of Design, Supply, Erection, Testing and Commissioning including Warranty, Operation & Maintenance for a period of 5 years goods and services including spares required if any, during the O&M period. The Bidder has to take all permits, approvals and licenses, insurance etc., provide training and such other items and services required to complete the scope of work mentioned above.

2.2.2 The price quoted is on lump sum turnkey basis including all taxes & duties applicable and the bidder is responsible for the total scope of work described as above.

2.2.3 The project cost shall remain firm and fixed and shall be binding on the Successful Bidder till completion of work for payment irrespective of his actual cost of execution of the project. No escalation will be granted on any reason what soever. The bidder shall not be entitled to claim any additional charges, even though it may be necessary to extend the completion period for any reasons what soever.

2.2.4 The cost shall be inclusive of all duties and taxes, insurance etc. The prices quoted by the firm shall be complete in all respect and no price variation/adjustment shall be payable.

- 2.2.5 The operation & maintenance of Solar Photo voltaic Power Plant would include warranty against wear, tear, overhauling, machine breakdown, insurance, and replacement of defective modules, invertors/ Power Conditioning Unit (PCU), Batteries, spares, consumables other parts for a period of 5 years.
- 2.2.6 The **Project cost** shall be specified by the successful **Bidder's quote 5 kW SPV Power Plants for project**. The project cost shall be in accordance with all terms, conditions, specifications and other conditions of the Contract as accepted by the RREC and incorporated in the tender document and work order.
- 2.2.7 The Bidder shall be responsible and take an Insurance Policy for transit-cum- storage-cum-erection for all the materials to cover all risks and liabilities for supply of materials on site basis, storage of materials at site, erection, testing and commissioning. **The bidder shall also take appropriate insurance during O&M period.**
- 2.2.8 The Bidder shall also take insurance for Third Party Liability covering loss of human life, engineers and work men and also covering the risks of damage to the third party / material/ equipment/ properties during execution of the Contract. Before commencement of the work, the Bidder will ensure that all its employees and representatives are covered by suitable insurance against any damage, loss, injury or death arising out of the execution of the work or in carrying out the Contract. Liquidation, Death, Bankruptcy etc., shall be the responsibility of bidder.

2.3 **FUNDING PATTERN :**

100% of system cost of system will be funded/ payable for this project by Rajasthan Council of Secondary Education, Jaipur. Payment of bills will be released by RREC as per provisions of bid on behalf of RCSE, Jaipur only after receipt of funds from RCSE, Jaipur.

Note:- The bidder should furnish their proposal for complete work, as RREC intend to award the total work to one supplier only.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 3

COMPETENCE AND EXPERIENCE

Followings are the requirements for responsiveness for experience and competence for the bidders:

- (i) The Bidder should be either a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto and engaged in the business of Solar Power.

**A copy of certificate of incorporation should be furnished along with the bid in support of above.
OR**

The Bidder should be either a body incorporated in India under the Limited Liability Partnership Act, 2008: a subset of Companies Act, 2003 and engaged in the business of Solar Power/Renewable Energy.

**A copy of certificate of incorporation should be furnished along with the bid in support of above.
OR**

The Bidder should be a firm registered under Partnership Act, 2008 in India and engaged in the business of Solar Power/Renewable Energy.

**A copy of certificate of incorporation should be furnished along with the bid in support of above.
OR**

The Bidder should be a firm registered as Sole Proprietor under Shop Act in India and engaged in the business of Solar Power/Renewable Energy.

A copy of certificate of incorporation should be furnished along with the bid in support of above.

- (ii) Following are the required experiences for considering responsiveness of the bidders:

- (a) The bidder should have installed at least one Off-grid/Grid connected Solar PV Power Plant of capacity 10 kW or more which should have been commissioned during 2015-16, 2016-17 and 2017-18 & up to date of submission of bid.

+

- (b) The bidder should have cumulative experience of executing ≥ 300 kWp Off-grid/Grid connected SPV Power Plants/Systems in India during 2015-16, 2016-17 and 2017-18 & up to date of submission of bid.

+

- (c) The details of projects executed during period mentioned above should be listed in Annexure-3(A) and Annexure-3(B). A certificate issued by the SNA/ Govt. Organisation/SECI/Project owner towards the satisfactory installation and functioning of the power plants to be furnished by the bidder.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 4
FINANCIAL CAPABILITY

Following are required for considering responsiveness regarding financial capability of the bidders:

The bidder has financial capability to take up the proposed work to be supported by balance sheet for any three years { 2014-15, 2015-16, 2016-17 & 2017-18 } and there should be **minimum average turnover of 1.5 Crore per year in last three years**. It is further clarified that the total turnover of last any three years 2014-15, 2015-16, 2016-17 & 2017-18 should be **4.50 Crores or more**.

[In case of 2017-18 provisional balance sheet can be attached duly certified by Chartered Accountant].

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 5**PRICE SCHEDULE**

Proposers shall quote their lowest rates / costs for Design, supply, installation, commissioning and five year comprehensive maintenance including all taxes etc. **online only** as per **Annexure-4**.

Supplier has to execute a Comprehensive maintenance Contract for a period of five years with the beneficiary RCSE Girl's Hostel / Sharde Girl's Hostel and Rajasthan Council of Secondary Education, Jaipur during which maintenance shall be provided including replacement of the parts/system.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 6

PART-A.

PRE-REQUISITES AND PROPOSAL EVALUATION

1. Pre-requisites:

Following are the pre-requisites for the proposer to be considered responsive to this tender:

(i)	<p>The Bidder should be either a body incorporated in India under the Companies Act, 1956 or Company Act 2013 including any amendment thereto and engaged in the business of Solar Power/Renewable Energy. A copy of certificate of incorporation should be furnished along with the bid in support of above.</p> <p>OR</p> <p>The Bidder should be either a body incorporated in India under the Limited Liability Partnership Act, 2008: a subset of Companies Act, 2003 and engaged in the business of Solar Power/Renewable Energy. A copy of certificate of incorporation should be furnished along with the bid in support of above.</p> <p>OR</p> <p>The Bidder should be a firm registered under Partnership Act, 2008 in India and engaged in the business of Solar Power/Renewable Energy. A copy of certificate of incorporation should be furnished along with the bid in support of above.</p> <p>OR</p> <p>The Bidder should be a firm registered as Sole Proprietor under Shop Act in India and engaged in the business of Solar Power/Renewable Energy. A copy of certificate of incorporation should be furnished along with the bid in support of above.</p>
(ii)	<p>The bidder has financial capability to take up the proposed work to be supported by balance sheet for last any three years { 2014-15, 2015-16, 2016-17 & 2017-18 } and there should be minimum average turnover of 1.50 Crore per year in last three years. It is further clarified that the total turnover of last any three years { 2014-15, 2015-16, 2016-17 & 2017-18 } should be 4.50 Crores or more.</p>
(iii)	<p>Following are the required experiences for considering responsiveness of the bidders:</p> <p>(a) The bidder should have installed at least one Off-grid/Grid connected Solar PV Power Plant of capacity 10 kW or more which should have been commissioned during 2015-16, 2016-17 and 2017-18 & up to date of submission of bid.</p> <p style="text-align: center;">+</p> <p>(b) The bidder should have cumulative experience of executing \geq 300 kWp Off-grid/Grid connected SPV Power Plants/Systems in India during 2015-16, 2016-17 and 2017-18 & up to date of submission of bid.</p> <p style="text-align: center;">+</p> <p>(c) The details of projects executed during period mentioned above should be listed in Annexure-3(A) and Annexure-3(B). A certificate issued by the SNA/ Govt. Organisation/SECI/Project owner towards the satisfactory installation and functioning of the power plants to be furnished by the bidder.</p>
(iv)	GST Registration certificate.

Note:

- (i) The tenderer must fill up above information clearly in enclosed sheet and attach all required scanned documents in support as at a glance Techno - Commercial qualification details online only.
- (ii) If supporting documents (Self attested) are not attached for each eligible criterion above, the bid shall be rejected without further reference.

3. Evaluation :

- (a) First of all the tender cost, Earnest Money with documentary proof regarding exemption benefit (if any) and e-tender processing fees of RISL, in Envelope-1 (in Physical FORM) will be checked and if found as per requirement of tender, RREC will open cover-1 (online on e-proc site) of the bidder.
- (b) Then the cover-1 containing scanned copies of Tender Cost, RISL e-proc charges and EMD with documentary proof regarding exemption benefit (if any) shall be opened and checked for confirming the eligibility for opening cover-2 (i.e- Technical bid).
- (c) Then cover-2 (i.e- Technical bid) shall be opened. The evaluation of techno-commercial bid will be done & price bids (i.e. Cover-3) of only those bidders will be opened who are found technically eligible and qualified.
- (d) The basis of evaluation shall be the cost/rate quoted in the Price Schedule Annexure-4. To further clarify, cost of supply, installation & commissioning along with Five years free maintenance and all applicable taxes shall be summed up for comparison and evaluation. Bidders are required to quote rate/cost on firm basis and no price variation on any account shall be considered.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

PART – B
PROPOSAL EVALUATION
Check list for evaluation

The bidder shall declare himself as bidder Firm as per pre-requisite requirement of RREC and then submit the details of their credentials as under:

Envelope 1

S. No.	Details required	Details of Attachment
1	Cost of Tender: in favour of Managing Director, RREC payable at Jaipur.	DD/ Banker's Cheque: Date: Amount :
2	e-proc Charges: in favour of Managing Director, RISL, payable at Jaipur.	DD/ Banker's Cheque: Date: Amount :
3	EMD in favour of Managing Director, RREC, payable at Jaipur;	DD/ Banker's Cheque/Bank Guarantee: (Exemption certificate, if applicable). Date: Amount :

Documents regarding exempted for EMD deposition as per norms and mentioned in BID should be attached.

Technical Bid: The bidder should upload (in Cover-II online) duly signed complete bid document, required certificates and information as instructed with Proposal Form Compulsorily as enclosed in ANNEXURE- 5.

S. No.	Details required;	Details of Attachment	Page No. Of self attested attached document
1.	As per Section-6(Part-A): 1(i) (As applicable)		
2.	As per Section-6(Part-A): 1(ii) (As applicable)		
3.	As per Section-6(Part-A): 1(iii) (As applicable)		
4.	The bidder should have valid GST registration certificate. Registration document(s) should be provided by the bidder		
5.	Duly signed Bid Documents by the authorised signatory (on Each and every page in confirmation of acceptance of Terms and Condition of Bid)		
6.	Authorisation Certificate (If bid is submitting by any authorised person/firm/agent on behalf of original bidder.)		
7.	Others Certificates (if required) in support of clarification of technical requirements.		

Note:-

- 1. The information in the above table should be filled properly.**
- 2. If any document submitted in support of above parameters found false, the tender will be disqualified and EMD and security Deposit shall be forfeited and bidder shall be blacklisted.**
- 3. Cutting should be verified by the signature with seal on every attempt and overwriting not allowed.**
- 4. Hard Copies of the documents (except Envelope-1) will not be accepted.**

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 7

COMPLETION PERIOD

The Work of 8kW SPV Off-grid SPV systems with Battery Bank installation under this project shall be carried out and should be completed in **EIGHT MONTHS** from date of award of work.

The extension of time period for implementation of the programme is solely on the discretion of the tendering authority as per provisions of bid.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 8

INSTRUCTIONS TO TENDERERS

- 8.1 Bidders are required to furnish all information and documents as called for in this Document in English Language. Any printed literature furnished by the proposer may be in another language, provided that this literature is accompanied by an English translation, in which case, for the purpose of interpretation of the document, the English version will govern.
- 8.2 The proposal shall be submitted by a single applicant.
- 8.3 The Proposal received after the closing date and time shall not be considered.
- 8.4 The documents shall be properly checked and signed before uploading for submission of proposals.
- 8.5 Intending bidders are required to carefully go through the instructions included in the document and furnish complete information, necessary documents and schedules.**
- 8.6 Any bidder wishing to undertake visit to site to become familiar with site conditions may do so. For any guidance in this respect, bidder may contact Director (Technical), Rajasthan Renewable Energy Corporation.
- 8.7 All costs towards site visit and submission of documents etc. shall be borne by the bidder themselves.
- 8.8 Bidders are informed that RREC is neither under any obligation to select any bidder, nor to give any reason for either qualifying or disqualifying any bidder. RREC is also not under any obligation to proceed with the project any part thereof.
- 8.9 At any time prior to opening of price proposals, RREC either at their own initiative or in response to clarifications requested by a prospective tenderer proposer may modify tender by issuing an amendment. Such amendment(s) shall be part of tender and should be up loaded on e-proc site.
- 8.10 The proposals as submitted shall invariably indicate that proposal is firm and that proposals shall remain valid and open for a period of not less than six months from the date of opening.
- 8.11 After opening of proposals and till final selection of successful suppliers/bidders(s) no correspondence of any type will be entertained, unless called for by RREC. Any type of uncalled for clarifications on prices and or rebates shall not be accepted.
- 8.12 RREC will review the proposals to determine whether the proposals are substantially responsive to the requirement of this document. **Proposals considered non-responsive are liable for rejection for the following reasons:****
- (i) Proposal is not received by the due date & time and proposal is not accompanied with the required documents & schedules.
 - (ii) Proposal is not accompanied by Earnest Money Deposit/Tender Cost/RISL Charges.

- (iii) Proposal is not a firm proposal.
- (iv) Proposal is not valid for at least six (6) months.
- (v) Desired certificates in the tender not attached by the proposer.
- (vi) Prices not quoted in prescribed Performa/schedule.
- (vii) Proposal is not meeting any other pre-requisite as spelt out elsewhere in this document.

8.13 RREC shall take up detailed evaluation of the responsive proposals only.

8.14 RREC attaches great importance to maintenance of the systems as it is felt that without proper maintenance after installation of system, consumers may be deprived of the benefits of electricity. To achieve this objective successful tenderer shall **establish after-sales service network in different districts of Rajasthan for maintenance of systems. This may consist of service centre at a convenient place to be reached by a beneficiary.** It shall have spares for the system and repair facility. The concerned PO, RREC and representative of Rajasthan Council of Secondary Education shall verify this fact and then only the supplier shall be allowed to install the systems.

8.15 Supplier shall provide a guarantee card and a operation and maintenance manual in Devnagri script to each beneficiary Girl's Hostel authority. Beneficiaries shall also be educated through brochures about do's & don't on the system. The details of after sales service centres along with telephone numbers & contact persons of firm & details of RREC offices and office of Rajasthan Council of Secondary Education, Jaipur, address, and telephone numbers provided to each beneficiary school.

8.16 It may be carefully noted that maintenance of SPV Systems includes maintenance of all items including all accessories. **Complete SPV systems including batteries shall bear a warranty for a minimum period of 5 years and solar modules shall have warranty for minimum 10 years (degradation of SPV Module shall not be more than 5% after 5 years and 10% after 10 years).** In case of defects in batteries during guarantee period successful bidders shall be responsible for repairs / replacement of batteries and to ensure that batteries perform satisfactorily for the guaranteed period.

8.17 The tenderer must quote the prices strictly in the manner as indicated in the price schedule **online only as per annexure-4**, failing which proposal is liable for rejection.

8.18 The tenderer should sign the proposal on each page and also at the specified location. Each and every paper enclosed must be given a page no. like 1,2,3,..... etc & a bid summery must be enclosed along with covering letter on letter Head of firm in following format : -

S.No.	Particulars/brief of information/ schedule/ Annexure	Page No:
1.		
2.		
3		
.....		
	Total Page	

Signature

- 8.19 Successful Tenderer will be required to enter into an agreement in the prescribed format (**Annexure-6**) within 10 days of issuing **letter of award with details of after sales and service centres existing & proposed in Rajasthan** . In the event of failure of tenderer to provide such an undertaking within this period from the date of issue of the LOS, the full earnest money deposited shall stand forfeited.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 9**TERMS & CONDITIONS****THE WORK OF SUPPLY & INSTALLATION COMMISSIONING & COMPREHENSIVE MAINTENANCE FOR FIVE YEARS OF OFF-GRID SPV SYSTEMS.**

- 9.1 Intending bidder shall have to deposit Tender Cost, e-proc. Charges & earnest money in the form of Demand Draft / Bankers cheque/ Exemption certificate (if applicable) without which tender will not be considered. (Amount and to whom /in favour of are already mentioned in ITB point no. 3)

All provisions regarding exemptions of EMD shall be as per provisions of RTPP Act and GF&AR of GoR will be applicable.

Under rule 57 (2)(a)(i) of GF&AR – Part-II (FD Order No. F1(1)FD/GF&AR/93-II, dated: 01/07/1996.

Whereas it is described that

Corporations, Autonomous bodies, Registered societies, Corporative-societies which are controlled/ managed by Government, Government Undertakings and companies of Union Government and Government of Rajasthan are exempted for EMD deposition on producing certificate issued by competent authority.

In lieu of bid security, a bid securing declaration shall be taken from departments of State Government and Undertakings, corporations, autonomous bodies, registered societies, corporative societies which are controlled/ managed by Government, Government Undertakings and the Central Government.

As per RTPP Act 2013, Rule 42 (2) in case of open competitive bidding, two-stage bidding, rate contract, electronic reverse auction, bid security shall be 2% or as specified by the State Government of the estimated value of subject matter of procurement put to bid. In case of small scale industries of Rajasthan it shall be 0.5% of the quantity offered for supply and in case of sick industries, other than small scale industries, whose cases are pending with Board of Industrial and Financial Reconstruction, it shall be 1% of the value of Bid. Concessional bid security may be taken from registered bidders as specified by the State Government. Every bidder, if not exempted participating in the procurement process shall be required to furnish the bid security as specified in the tender document.

- 9.2 (i) The Earnest Money will be refunded to the unsuccessful proposers within one month after finalisation of the proposals, whereas in case of successful proposer it may be treated as a part of security deposit.

(ii) **Security Deposit** : The successful bidder shall be required to furnish security deposit @ 5% against order value at the time of Award of Contract.

(a) Security Deposit shall be solicited from all successful bidders except the departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a declaration shall be taken from them.

(b) The amount of security deposit in case of Small Scale Industries of Rajasthan shall be one percent of the order value and in case of sick industries, other than Small Scale Industries, whose cases are pending before the Board of Industrial and Financial Reconstruction (BIFR), it shall be two percent of the amount of supply order.

(iii) The earnest money of successful bidder maybe adjusted towards required 5% security deposit against order value at the time of execution of agreement, in case of cash deposition of Balance SD.

IF a bidder wants to submit Bank Guarantee of security deposit amount, they should be deposited Bank guarantee (valid for 15 months from date of agreement) for Full amount of Security Deposit at the time of execution of agreement. Further it should be revised according to further allocation of work/targets also. In such case, the Cash Deposited EMD by the bidder will be refunded that time.

(iv) IF Contractor fails to complete the work within the specified or extended period Security Deposit shall be forfeited without further notice to the firm. The amount of SD will be refunded/released back after three months from date of successful completion of work and submission of all documents to RREC Head office.

9.3 Without earnest money deposit as per clause No. 9.1, no proposal will be considered.

9.4 Acceptance of the proposal(s) will rest with the Managing Director, RREC, Jaipur who does not bind himself to accept the lowest offer and may reject any proposal without assigning any reasons thereof.

9.5 No foreign exchange will be provided by the RREC.

9.6 The rates quoted for supply of SPV systems must be firm and fixed, FOR site(s) as per complete scope of work.

9.7 (A) The payment of system under this project will be released as under :

The selected supplier will raise the invoice of systems installed in favour of RCSE. RREC will release the payment as under :

(a) 90% of invoice raised/project cost on submission of duly verified documents from joint inspection team of RREC concerned Project Manager/Project Officer and authority of concerned Girl's Hostel to RREC Head office:

(i) Installation certificate (As per Annexure-9) with name of school & full address with Date of commissioning, Make & Serial Nos. of PV modules, Batteries and Balance of systems.

(ii) Two Photographs of system installed with authority of concerned Girl's Hostel, wherein date of commissioning is indicated.

(iii) Copy of Agreement with beneficiary Girls Hostel and RREC for maintenance **(Annexure-8)**.

(b) Remaining 10% amount shall be released by RREC equally as under :

(i) 3% after completion of 3rd year after receipt of satisfactory maintenance service report from beneficiary school and Rajasthan Council of Secondary Education, Jaipur.

- (ii) 3% after completion of 4th year after receipt of satisfactory maintenance service report from beneficiary school and Rajasthan Council of Secondary Education, Jaipur and
- (iii) 4% after completion of 5th year after receipt of satisfactory maintenance service report from beneficiary school and Rajasthan Council of Secondary Education, Jaipur.
- (iv) RREC may release complete remaining 10% of project cost kept against 5 years CMC on submission of Bank Guarantee (issued from Nationalised Bank only) of value 1.5 times of 10% hold amount valid for 5 years from date of completion of all installations and commissioning of systems.

- (B) The supplier shall provide comprehensive maintenance services as under :
- (i) The supplier shall ensure quarterly routine maintenance of system.
 - (ii) The supplier shall timely attend to faults as and when arrive/reported, The faults should be attended within 72 Hours from lodging of complaint and rectify within 7 days period. If this is not attended as per this schedule, penalty shall be imposed as under :
 - (a) If the fault is not attended within 72 Hrs from lodging of complaint and not rectified in maximum 7 days period three times/per site in a year, RREC will deduct Rs. 100/- per day /per site as penalty on excess days beyond 7 days from payable AMC amount to the firm.
 - (b) If the fault is not rectified in 30 days from lodging of complaint, RREC will forfeit the entire balance amount withheld as CMC security and action will be taken for debarring and blacklisting of the firm.
 - (c) One booklet shall have to be provided to every school (with details of installed systems with dates etc. with routine Do's and Don'ts instructions to beneficiary) with additional pages to record AMC record. Every AMC service provided by supplier shall be recorded in this booklet. This will be verified by PO, RREC, School Head Master & representative of Rajasthan Council of Secondary Education, Jaipur periodically.
 - (d) If, supplier furnish the BG against CMC [as per clause 9.7 (A)(b)(iv)], any penalty worked out as per above lapses during CMC period, the same shall have to be deposited by the supplier through DD/RTGS to RREC within one month period from date of issuance of letter from RREC.
- (C) An agreement in the format at **Annexure-6** shall be entered into within 10 days of placing of the work order without which no payments shall be released.
- (D) **Invoicing Pattern :**
The supplier will invoice for system to Rajasthan Council of Secondary Education, Jaipur with mentioning address of Girls Hostel where actually installed.
- 9.8 RREC may not authorise any tenderer for the Off-grid SPV Systems for which proposals have been invited or may authorise for less than the quantity communicated in the tender document or may not authorise for any quantity, the manufacturer(s) shall not be entitled to claim any compensation.
- 9.9 Proposals will be valid for a period of 6 months from the date of their opening for the purpose of communicating acceptance by the department. The proposals with validity of less than 6 months will not be considered. The validity can be further extended with mutual consent.
- 9.10 In the event of breach of any of the conditions of the contract at any time on the part of the manufacturer the contract may be terminated summarily by Managing Director, RREC, Jaipur without compensation to the contractor.

- 9.11 The price quoted for the systems must be including installation charges and comprehensive maintenance for 5 years charges and shall remain fixed and firm during the period of contract.
- 9.12 (a) Complete literature and specifications of the material offered must accompany the tender.
- (b) **All type tests certificates as mentioned in the “ Off-grid and decentralised solar applications” guidelines of MNRE issued vide No: 5/23/2009-P&C Dated: 8th July, 2010 and amended time to time should be furnished.**
- 9.13 **The systems offered shall be guaranteed by the manufacturer for use and services for a period of five years from the date of commissioning. Any part found defective during its operation shall have to be replaced free of cost.**
- 9.14 The time specified for delivery and completion of work in the contract tender shall be deemed to be the essence of the contract and the successful supplier(s) shall arrange to complete work within the period on receipt of order from RREC.
- 9.15 Should the successful manufacturer(s) fail to complete the work in the period specified in the authorisation letter / contract, the RREC may at its discretion to allow an extension in time of completion, subject to recovery from the manufacturer an agreed **liquidated damages and not by way of penalty a sum equal to the following percentage from the amount payable by RREC for systems which the manufacturer has failed to supply for period of delay as stated below:-**
- (a) Delay upto one fourth period of the prescribed delivery period -2.5%.
 (b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period – 5%
 (c) Delay exceeding half but not exceeding three fourth of the prescribed delivery period – 7.5%
 (d) Delay exceeding three fourth but not exceeding the period equal to the prescribed delivery period – 10%
1. Fraction of a day in reckoning the period of delay in supply shall be treated one full day.
 2. The maximum amount of agreed liquidated damages shall be 10%.
 3. If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance, he shall apply in writing to the purchasing authority for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
- (v) Delivery period may be extended with or without liquidated damages if the delay in installation of systems is on account of hindrances beyond the control of the tenderer.
- 9.16 (a) No price escalation on account of any statutory increase in or fresh imposition of GST and others in respect of the systems authorised to be installed, shall be applicable.
- (b) The benefit on account of decrease in GST shall be availed by the department if accrued during the stipulated / extended delivery period.**
- 9.17 When a tenderer is unable to complete the work within the specified or extended period, the RREC shall be entitled to award the work to other tenderer/agency without notice to the tenderer but on his (i.e. tenderer) account and risk, the system or any part of work thereof which the tenderer has failed to complete or if not available, the best and nearest available substitute thereof, or to cancel the contract of such work and tenderer shall be liable for any loss or damage which the agency may sustain by reasons of such failure on the part of the tenderer. But the tenderer shall not be entitled to any gain on such work got done against defaults. The recovery of such loss or damages shall be made from any sum due to the tenderer under this or any other

fails to pay the loss or damages within one month, the recovery shall be made as per rules of GF&AR.

- 9.18 While making the risk purchases, the RREC may exercise its own discretion and if possible resort to limited tender system issuing short term notices irrespective of the value of tender. In all cases where orders are cancelled due to non completion of project. It will be treated as breach of contract and the department shall take action accordingly. It is clarified that the Corporation may resort to risk purchase without granting any extension.
- 9.19 The tenderers are required to study carefully the conditions of the tender document, the enclosed specifications and the relevant provision of the relevant BIS/ISS/MNRE specifications wherever necessary before submitting the proposal. Technical particulars of the material offered must comply with the enclosed specifications and the relevant provisions of the BIS/ISS/MNRE as far as possible. In case tenders are called for 'ISI' marked stores, the material 'ISI' marked only shall be accepted.
- 9.20 Any changes in the constitution of the firm/company shall be notified forth with by the supplier in writing to the Corporation and such change shall not relieve the tenderer from any liability under the contract.
- 9.21 Tenderer will have to submit invariably GST number issued from the sales tax / commercial tax officer concerned along with the proposal without which proposals may not be considered.
- 9.22 The Tenderer shall sign on each page of all supporting documents before uploading at the end in token of acceptance of all the terms and it would be uploaded with the proposal along with the declaration.**
- 9.23 The authorisation for installing SPV system can be repudiated at any time by the RREC if the systems are not supplied and installed to its satisfaction. The reasons for repudiation shall be recorded by RREC. In case of non-performance in any form and shape of the terms & conditions of the agreement the MD, RREC, Jaipur has power to cancel the authorisation pertaining to the supply and installation of systems.
- 9.24 If a tenderer imposes conditions, which are in addition to/or in contravention with the conditions mentioned herein, his tender is liable to be summarily rejected. In any case none of such conditions will be deemed to have been accepted unless specifically mentioned in the letter of authorisation issued by RREC.**
- 9.25 Legal proceedings, if any, arising out of the tender contract shall have to be lodged in courts situated in Jaipur, Rajasthan only.
- 9.26 If any dispute arises out of the contract with regard to the interpretation / meaning and the breach of the terms of the contract, the matter shall be referred to by the parties to the MD, RREC, Jaipur whose decision shall be final and binding.
- 9.27 If any question is raised or issue arises between the user (beneficiary) of the SPV Off-grid SPV Systems and the manufacturer/supplier and matter is taken to a consumer court, RREC shall not be responsible in any manner and shall not be made a party in it.
- 9.28 RREC may conduct Pre-despatch inspection. The successful bidder will offer the material for inspection along with routine test certificates. Detailed instructions for inspection of material Pre-despatch & at site shall be made available to the successful bidder.

Alternatively RREC, at its discretion, may collect upto 2% samples on random basis out of installed systems at site and get these tested at a MNRE recognised test house at supplier's cost, which includes transportation and inspection charges.

9.29 After qualifying and deciding L-1 offer, if the qualified firm did not take up the work as per work order issued to the firm. RREC will forfeit the deposited amount of the supplier with RREC and take action for debarring and blacklisting of the firm.

9.30 If the contract holder quotes/reduces its price to tender similar goods, works or services at the price lower than the rate contract price to anyone in the state at any time during the currency of the rate contract, the rate contract price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under that rate contract and the rate contract shall be amended accordingly. The firms holding parallel rate contracts shall also be given opportunity to reduce their price by notifying them the reduce price giving them fifteen days time to intimate their acceptance to the revised price. Similarly, if a parallel rate contract holding firm reduces its during currency of the rate contract, its reduced price shall be conveyed to other parallel rate contract holding firms and original rate contract holding firm for corresponding reduction in their prices. If any rate contract holding firm does not agree to the reduced price, further transaction with it, shall not be conducted.

9.31 Other :

IF : (A)

- (i) Any bidder after qualifying for opening of financial bid withdraws without valid grounds, from the procurement process, RREC will forfeit the deposited amount as EMD of bidder with RREC and take action for debarring and blacklisting of firm.
- (ii) Any bidder after opening of financial bids and deciding L-1 withdraws without valid grounds, from the procurement process, RREC will forfeit the deposited amount as EMD of bidder with RREC and take action for debarring and blacklisting of firm.
- (iii) Any bidder after deciding L-1 withdraws without valid grounds, from the procurement process, RREC will forfeit the deposited amount as EMD of bidder with RREC and take action for debarring and blacklisting of firm.
- (iv) Any bidder after award of work fails to provide procurement contract, any other document or security deposit required in terms of bidding documents, RREC will forfeit the deposited amount as EMD of bidder with RREC and take action for debarring and blacklisting of firm.

In addition to the recourse available in the bidding documents or the contract, be punished with fine which may extend to fifty lakhs rupees or ten percent of assessed value of total procurement, whichever is less.

IF : (B)

When a tenderer is unable to complete the work within the specified or extended period. It will be treated as breach of contract and it will cause of forfeit security deposit against total awarded quantity under contract and RREC will take action for debarring and blacklisting of firm. Further be punished with the fine which may be extend to fifty lakhs rupees and TEN PERCENT of assessed value of total

procurement whichever is less and MD, RREC shall be entitled to award the work to other tenderer/agency without notice to the tenderer but on his (i.e. tenderer's) account and risk, the goods or any part thereof which the tenderer has failed to complete or if not available, the best and nearest available substitute thereof, or to cancel the contract of such work. In such situation, tenderer shall be liable for any loss or damage which RREC may sustain by reasons of such failure on the part of the tenderer also. But the tenderer shall not be entitled to any gain on such work got done against defaults. The recovery of such loss or damages shall be made from any sum due to the tenderer under this or any other contract with the Corporation. If recovery is not possible from the bill and the tenderer fails to pay the loss or damages within one month, the recovery shall be made as per rules of GF&AR or any other law for the same.

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

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 10

MODE OF AWARD OF TARGETS

- 10.1 RREC will finalise L-1 offer from price offers received from qualified bidders and RREC intend to award the work of all Girls Hostels to one supplier only (i.e to L-1 offer submitted by the bidder) after negotiations (if needed).

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 11**WORKS CONTRACT**

It is hereby clarified that RREC's role is limited to making payment as received from RCSE towards cost of system & its installation as per the terms and conditions of work order. Accordingly, it is of the view that this shall not attract provisions of works contract tax. However, if the revenue authorities are of the opinion that works contract tax is applicable to the above payments by RREC and insist to deduct the same from tenderer's payment, RREC would deduct the same from suppliers due payments.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

SECTION – 12
ANNEXURES

S. No.	Annexure No:	Brief Details of Annexure	Page No:
1.	1.	Minimal Technical requirements / standards for off-grid / standalone Solar Photovoltaic (PV) Power Plant/Systems by MNRE under JNNSM.	33-36
2.	2	Specification for 5 kWp off-grid SPV Power Plant with Hybrid PCU and Battery Bank [@ 1.2 Vah/watt].	37
3.	3(A), (B) , (C) & (D)	Schedule of Experience	38-40
4.	4	Price Schedule	41
5.	5	BRIEF DETAILS OF FIRM & BIDDER'S PROPOSAL FOR THE WORK :	42
6.	6	FORMAT OF TRIPARTITE AGREEMENT	43
7.	7	Format of Undertaking to be submitted by the Supplier	44
8.	8	Format for Agreement with beneficiary & RCSE for maintenance of off-grid SPV Systems/Plant.	45-46
9.	9	Format of System Installation Certificate by Project Officer, RREC.	47
10.	10	Format of Installation Certificate to be verified by beneficiary school Head Master, Local representative of Firm & Project Officer, RREC.	48
11.	11(A), 11(B), 11(C) & 11(D)	Instructions and formats to be filled / signed by tenderer as per Transparency act 2013.	49-53
12.	12	Format for Payment claim Note	54
13.	13	Declaration of material proposed for supply under this programme by the Tenderer:	55
14.	14	List of Hostels with Load details for installation of SPV Power Plants.	56-57

**MINIMAL TECHNICAL REQUIREMENTS / STANDARDS
FOR SPV SYSTEMS / PLANTS TO BE DEPLOYED DURING F.Y. 2012-2013
UNDER THE PROGRAMMES OF
MINISTRY OF NEW AND RENEWABLE ENERGY**

1. PV MODULES:

1.1 The PV modules must conform to the latest edition of any of the following IEC / equivalent BIS Standards for PV module design qualification and type approval:

Crystalline Silicon Terrestrial PV Modules	IEC 61215 / IS14286
Mono/Poly Crystalline PV Modules only	IEC 61646 / Equivalent IS (Under Dev.)
Concentrator PV Modules & Assemblies	IEC 62108

1.2 In addition, the modules must conform to IEC61730 Part-1 - requirements for construction & Part 2 - requirements for testing, for safety qualification or Equivalent IS (Under Dev.)

1.3 PV modules to be used in a highly corrosive atmosphere (coastal areas, etc.) must qualify Salt Mist Corrosion Testing as per IEC 61701 / IS 61701.

1.4 IDENTIFICATION AND TRACEABILITY

Each PV module must use a RF identification tag (RFID), which must contain the following information:

- (i) Name of the manufacturer of PV Module
- (ii) Name of the Manufacturer of Solar cells
- (iii) Month and year of the manufacture (separately for solar cells and module)
- (iv) Country of origin (separately for solar cells and module)
- (v) I-V curve for the module
- (vi) Peak Wattage, I_m , V_m and FF for the module
- (vii) Unique Serial No and Model No of the module
- (viii) Date and year of obtaining IEC PV module qualification certificate
- (ix) Name of the test lab issuing IEC certificate
- (x) Other relevant information on traceability of solar cells and module as per ISO 9000 series.

Until **March 2013**, the RFID can be inside or outside the module laminate, but must be able to withstand harsh environmental conditions. However from 1st April 2013 onwards; **RFID shall be mandatorily placed inside the module laminate**

1.5 **VALIDITY :**

The validity of the existing Certificates/Reports in the old format/procedure shall be valid till **March 2013 only**. Manufactures are advised to get their samples tested as per the new format/procedure **before 31st March 2013**, whose validity shall be for five years.

PV modules must qualify (enclose test reports/ certificate from IEC/NABL accredited laboratory) as per relevant IEC standard. Additionally the performance of PV modules at STC conditions must be tested and approved by one of the IEC / NABL Accredited Testing Laboratories including Solar Energy Centre. For small capacity PV modules upto 50Wp capacity STC performance as above will be sufficient. However, qualification certificate from IEC/NABL accredited laboratory as per relevant standard for any of the higher wattage regular module should be accompanied with the STC report/ certificate.

1.6.1 Details of Test Labs are given in Annexure I.

(Any other Test Lab that has set - up for testing and wants to get included may contact Director, MNRE)

1.6.2 While applying for Testing, the Manufacturer has to give the following details:

- A copy of registration of the company particularly for the relevant product/ component/ PV system to be tested
- An adequate proof from the manufacturer, actually showing that they are manufacturing product by way production, testing and other facilities
- Certification as per JNNSM standards for other boughtout items used in the system Without above proof test centers are advised not to accept the samples.

1.7 **WARRANTY**

PV modules used in solar power plants/ systems must be warranted for their output peak watt capacity, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years.

2. **BALANCE OF SYSTEM (BOS) ITEMS/ COMPONENTS:**

2.1 The BOS items / components of the SPV power plants/ systems deployed under the Mission must conform to the latest edition of IEC/ E equivalent BIS Standards/ MNRE specifications / as specified below:

BOS Item / System	Applicable BIS /Equivalent IEC Standard Or MNRE Specifications	
	Standard Description	Standard Number
Solar PV Lighting Systems:	Solar PV Home Lighting System Solar PV street Lighting System Solar PV Lantern	As per MNRE latest Specifications dated 09.09.2011
Charge Controller/MPPT units	Environmental Testing	IEC 60068-2 (1,2,14,30) / Equivalent BIS Std.
Power Conditioners/ Inverters**including MPPT and Protections	Efficiency Measurements Environmental Testing	IEC 61683 / IS 61683 IEC 60068-2 (1, 2, 14, 30) / Equivalent BIS Std.

Storage Batteries	General Requirements & Methods of Testing Tubular Lead Acid / VRLA / GEL Capacity Test Charge/Discharge Efficiency Self-Discharge	As per relevant BIS Std.
Cables	General Test and Measuring Method PVC insulated cables for working voltage up to and including 1100 V and UV resistant for outdoor installation	IEC 60227 / IS 694 IEC 60502 / IS 1554 (Pt. I & II)
Switches/Circuit Breakers /Connectors	General Requirements Connectors -safety A.C. /D.C.	IEC 60947 part I,II, III / IS 60947 Part I,II,III EN 50521
Junction Boxes /Enclosures for Inverters/Charge Controllers/Luminaries	General Requirements	IP 54(for outdoor)/ IP 21(for indoor) as per IEC 529

**In case if the Charge controller is in-built in the inverter, no separate IEC 62093 test is required and must additionally conform to the relevant national/international Electrical Safety Standards wherever applicable.

2.2 AUTHORIZED TESTING LABORATORIES/ CENTERS

Test certificates / reports for the BoS items/ components can be from any of the NABL/ IEC Accredited Testing Laboratories or MNRE approved test centers. The List of MNRE approved test centers will be reviewed and updated from time to time.

2.3 WARRANTY

The mechanical structures, electrical works including power conditioners/inverters/charge controllers/maximum power point tracker units/distribution boards/digital meters/switchgear/storage batteries, etc. and overall workmanship of the SPV power plants/ systems must be warranted against any manufacturing/ design/ installation defects for a minimum period of 5 years.

2.4 Structure : The module mounting structure should be made of pre galvanised/ hot dipped galvanised angles/C-channels /other equivalent members of design for suitable strength to withstand 150 km/Hr wind speed.

Accredited Test centres for MNRE Off-Grid Programme

Lab/ Organization	PV Module	Lighting Systems		Battery	Inverter>100 W		Charge Controller	
		as per MNRE Specifications	Environment al		Efficiency	Environmental	protection s	Environm ental
SEC	Yes (IEC61215up to100W _P) NABL Accredited	Yes MNRE Accredited	Yes (Including IP) MNRE Accredited	Yes MNRE Accredited	Yes (upto 10KVA) MNRE Accredited	Yes (Including IP) MNRE Accredited	Yes MNRE Accredited	Yes (Including IP) MNRE Accredited
ERTL (east)	STC Test Facility MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes Up to 1000AH	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited
ETDC (B)	Yes (IEC61215) under ICEEE- CB,IEC 61701 (upto100W _P) NABL Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes Up to 100AH	Yes (up to 3KVA) NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited
CPRI (B)	No	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes Up to 500AH	Yes(up to 10KVA) NABL/MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/MN RE Accredited
ERTL (N)	No	Only Electronics & luminaries NABL Accredited	Yes NABL Accredited	No	Yes (up to 5KVA) NABL Accredited	Yes NABL Accredited	Yes (up to5KW) NABL Accredited	Yes NABL Accredited
UL (B)	Yes (IEC61215 IEC 61730 Pt.II and IEC 61701) upto400W _P	Yes (except battery) NABL Accredited	Yes NABL Accredited	No	Yes (up to 6KVA) NABL Accredited	Yes NABL Accredited	Yes (up to 6KW) NABL Accredited	Yes NABL Accredited
TUV Rhineland	Yes (IEC61215 & 61730 Pt-II) upto400W _P NABL Accredited	NO	Yes NABL Accredited	No	Yes(up to 10KVA) NABL Accredited	Yes NABL Accredited	Yes (up to 10KW) NABL Accredited	Yes NABL Accredited
Inter Tek	No	Only Electronics & luminaire NABL Accredited	Yes NABL Accredited	No	Yes (up to 5KVA) NABL Accredited	Yes NABL Accredited	Yes (up to5KW) NABL Accredited	Yes NABL Accredited

***Beyond 10KVA self certification by the manufactures is acceptable.**

The use of imported complete PV system will not be permitted under this programme. Only indigenously manufactured Silicon PV modules { Mono/Poly crystalline PV modules only} will be allowed to use under this off-grid SPV programme of RREC.

Note: All type tests clearances / approvals as mentioned in the "Off-grid and decentralised solar applications" guidelines of MNRE issued vide No: 5/23/2009-P&C Dated: 8th July, 2010 and amended time to time should be strictly followed.

-----XXXXX-----

Specifications/Bill of material of 5 kW off-grid SPV Power Plant with Hybrid PCU and Battery Bank :

S. No.	Item:	Capacity	Quantity	Standards
1.	Solar PV Array	5000 Watt	Minimum 250 Wp each for total PV array capacity of 5000 Wp	Crystalline- Mono/Poly , Qualifying MNRE Standards..
2.	Battery Bank with Battery Rack.	Total capacity of Battery Bank @ 1.2 VAh/watt for 5 kW SPV Power Plant.	As per design of system.	Supplier can opt 2V or 12V Lead Acid Tubular Gel Battery (sealed maintenance free) as per their system design conforming to MNRE qualifying Standards.
3.	Hybrid PCU with Charge Controller	5 kW PCU with inbuilt MPPT Solar Charge Controller with Priority: Solar--- Grid--- Battery.	ONE (Single Phase/Three Phase as per requirement of site Annexure-14).	Qualifying MNRE standards.
4.	Cable & Connectors	As per design of system.	As per site requirement.	IS/IEC approved.
5.	Battery Cable	As per design of system.	As per requirement	IS/IEC approved.
6.	Earthing	Maintenance free	As per requirement	As per standards.
7.	Module Mounting Structure	Made of Angels/ C-channel/other equivalent members of strength to bear wind speed of 150 Km/Hr.	As per requirement	Pre Galvanised/Hot Dipped Galvanized
8.	All nut & bolt	As per requirement	As per requirement.	Shall be of high quality stainless steel
9.	Lightening Arrestor	As per requirement	As per requirement.	IS/IEC approved.
10.	ACDB & DCDB	As per design.	As per design	As per standards.
10.	Balance of systems	As per requirement	As per requirement	Of certified quality standards.

Note: (i) All cable lengths are assumed and scope of supplier includes cables up to main distribution Board through PCU excluding internal Hostel building wiring.

(ii) Internal fittings of Hostel will be responsibility of Hostel administration/ Rajasthan Council of Secondary Education, Jaipur .

Features required for the PCU:

1. Maximum THD of the generated sine wave <3%.
2. After the batteries charge up fully (say 95% of charge level) , the inverter should induce self power cut and run the load on solar energy (supplemented by battery power) till the batteries discharge to say 70% of charge level. Thereafter, the load is shifted back automatically to the grid and full solar energy is utilised to recharge the batteries. This feature is essentially required with a view to fully utilise and harness maximum solar power. Normally, after the batteries have fully charged, the excess solar power available is wasted.
The inverter should have over load cut out and auto over load reset feature.
3. **The PCU should have adequate features for Remote Monitoring of system performance. The total cost for this arrangement will be borne by the supplier.**
4. **Presently net-metering regulation in the State doesn't allow to export excess power to grid from PV Power Plants with battery bank. If such regulation to allow the same issued in future, The PCU should have features to export power to the Grid on net-metering mechanism.**

Annexure-3(A)**A. SCHEDULE OF EXPERIENCE (Supply & Installation)**

(Please attach certificates in support from the concerned nodal agency /Govt. Organisation/ MNRE authorised Agency /Project owner for work executed)

S. No.	Details of SPV Systems (of capacity 10kW & above) installed during [2015-16, 2016-17, 2017-18 and up to date of submission of bid.]	Year	Deptt./Agency /Beneficiary for which work carried out	Total kW size of work.	Cost of works in { Amt in Lakhs.}	Attachment at Page No. Of Techno-Commercial bid
1.						
2.						
3.						
4.						
5.						
6.						
.....N						
TOTAL :						

SIGNATURE & SEAL OF PROPOSER

Annexure-3(B)**B. SCHEDULE OF EXPERIENCE (Supply & Installation)**

(Please attach certificates in support from the concerned nodal agency /Govt. Organisation/ MNRE authorised Agency /Project owner for work executed)

S. No.	Details of Total aggregate SPV Systems installed during [2015-16, 2016-17, 2017-18 and up to date of submission of bid.]	Year	Deptt./Agency /Beneficiary for which work carried out	Total kW size of work.	Cost of works in lakhs of Rs.	Attachment at Page No. Of Techno-Commercial bid
1.						
2.						
3.						
4.						
.....N						
TOTAL :						

SIGNATURE & SEAL OF TENDERER

Annexure-3(C) & (D)**C. SCHEDULE OF EXPERIENCE (Sale& Service Centres)**

(Details of after sale service centres existing in the state of Rajasthan)

S.No.	Name of Dealer/centre	Village	Tehsil	District	Name of contact Person & Phone Number

SIGNATURE & SEAL OF TENDERER**D. SCHEDULE OF EXPERIENCE**

(Details of after sale service centres proposed in Rajasthan)

S.No.	Name of Dealer/centre	Village	Tehsil	District

Note: Final details can be given later on.

**SIGNATURE & SEAL
OF Tenderer**

PRICE SCHEDULE

Tenderer shall quote rates / costs in the format given below for supply, installation, commissioning & maintenance of 5 kW off-grid SPV system with Hybrid PCU & Battery Bank as per specifications (enclosed) and minimal technical requirements/standards specified in the MNRE off-grid guidelines under JNNSM and amended time to time complete with all accessories, auxiliaries and components F.O.R. site including installation, commissioning and **FIVE YEARS comprehensive maintenance**.

S. No.	SPV System	Price offered for Supply of system FOR site unit rate inclusive of F&I including GST. (Rs./per system)	Price offered for Installation & Commissioning of the system (Rs./per system)	Price offered for five years comprehensive maintenance of system (Rs./per system)	GST on D&E (Rs./per System)	Total Price per system with all taxes. {G=C+D+E+F} (Rs./per system)	Total Quantity. (Nos.)	Total cost (Rs.) { I=G x H}
A	B	C	D	E	F	G	H	I
1.	Off-grid SPV System of 5000 Wp PV capacity with Hybrid PCU and Battery Bank [As per Annexure1&2]						63 Nos.	
Total :								

- Note: (i) The offer is valid for six months from date of opening of tender.
(ii) Please refer **Para No: 9.16** of tender document for benefit of deduction in tax rates.
(iii) The Comprehensive maintenance of the systems installed shall be for a period of five years. During FIVE years period the supplier should provide maintenance services including replacement of parts/ components if needed, free of cost .

**Signature of the Tenderer/
authorised Signatory.**

BRIEF DETAILS OF FIRM & BIDDER'S PROPOSAL FOR THE WORK :

To,
Managing Director,
RREC, Jaipur

S.No.	Particulars required:	Detailed :
1.	Name of Firm:	
2.	Registration Number :	
3.	Date of Registration :	
4.	Registered Address with Tel. Number :	
5.	Address of Manufacturing unit with Tel. Number :	
6.	Details of Product(s) being manufactured at their own:	
7.	Name (s) of Proprietor/Partner/ Directors / authorised person of Firm/Company (with email IDs & contact Numbers):	
8.	GST Registration Number “	
9.	Year from which firm is in business in Renewable Energy Technology :	
10.	Technical Officers/Engineers and other officers/officials are working in the company :	(1)Technical Persons (Nos.)....., (2)Other officers/officials (Nos.....,
11.	Branch offices/Dealers network is available in Rajasthan or not :	
12.	The person(s) authorised by the company for work of SPV Power Plants in Rajasthan :	

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

TRIPARTITE AGREEMENT

(On non-judicial stamp paper of GOR of value of Rs. 5000/- as under :)

1. An agreement made this day of2018, among the followings :
- (I) **RAJASTHAN RENEWABLE ENERGY CORPORATION (RREC)**, E-166, Yudhishtir Marg, C-Scheme, Jaipur (hereinafter" shall be called as Nodal Agency to implement the programme)
 - (II) Rajasthan Council of Secondary Education, Jaipur and
 - (III) **M/s.....** (Name of Empanelled firm say called the "approved supplier)in reference to project of electrification of 63 Nos. hostels of Karauli, Jaisalmer, Pali, Pratapgarh & Barmer districts of Rajasthan through 8 kW SPV Off-grid Power Plant and admits as under :

M/s..... (Name of approved supplier) has agreed with Rajasthan Council of Secondary Education, Jaipur and RREC to take up the work under Work order of RREC No:Dated.....for work of supply, installation, testing, commissioning and maintenance of the 1 kW SPV Off-Grid Power Plants/systems under the project at the Hostels of RCSE in different districts of Rajasthan (As per list provided). All those articles set forth as per tender document & work order issued by RREC at the rates set forth.

AND

Rajasthan Council of Secondary Education, Jaipur (As first funding agency) shall pay 70% of the project cost or 70% of the project cost and balance required after deducting MNRE Admissible CFA for the project, (whichever is more) in case MNRE sanctions and release the CFA otherwise Rajasthan Council of Secondary Education, Jaipur will provide 100% project cost including NIT publication charges etc to RREC for work of supply, installation, commissioning of 5 kW SPV Off-grid Power Plants at Hostels of RCSE in different districts of Rajasthan as per list provided in tender document.

AND

RAJASTHAN RENEWABLE ENERGY CORPORATION shall arrange the project cost payment as per terms conditions as received from RCSE.

2. And whereas the approved supplier has deposited as Security Deposit a sum of Rs. as Cash/Bank Draft/Banker Cheque/Bank Guarantee No. DatedWith adjustment of Rs. deposited vide DD/BC/BGNo.Dated :..... as EMD.
3. The payment to the supplier be made by the RREC through RTGS/NEFT.
4. All other Terms and conditions of the tender of the tender notice No.dated and Work order No:Dated:..... also appended to this agreement will be deemed to be taken as part of this agreement and are binding on the parties executing this agreement.
5. We are abide by all terms and conditions as per bid documents and Work order and this agreement.

6.All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the MD, RREC and the decision of the MD, RREC shall be final.
In witness where of the parties here to set their hands on the day of 2018.

Signature for and as behalf of Signature of the authorities:

Signature :	Signature:	Signature :
Supplier	Rajasthan Council of Secondary Education, Jaipur	RREC
Date:		
Witness:.	Witness:	Witness:

**UNDERTAKING TO BE SUBMITTED BY A FIRM FOR FAITHFULLY CARRYING OUT THE
ASSIGNED WORK**

In consideration of the MD, RREC, E-166, Yudhishtir Marg, C-Scheme, Jaipur (hereinafter called RREC) having authorised us
(name of the supplier), office at
(hereinafter called the supplier) for installation work of Off-grid SPV systems in Rajasthan and on successful completion of the job (hereinafter referred as Off-grid SPV Programme RREC having been agreed to disburse the financial assistance due under the programme supplier does hereby undertake to carryout the work as per terms and condition of the Tender document and authorisation letter issued to us by RREC.

We do hereby further undertake that in case we are unable to carryout out duties as undertaken above. RREC would have the right to forfeit the entire /EMD/security amount deposited by us for Off-grid SPV Programme work with them.

We at (Name of the firm) further agree that the undertaking herein contained shall remain in full force and effect for the period of the year from the date of this undertaking or for such period for which this undertaking is executed.

Dated this day of 2018.

Signature of the constituted
Attorney of M/s.

अनुबन्ध पत्र

(5 kW ऑफ ग्रिड एस.पी.वी. उपकरण सप्लायर व लाभान्वित विद्यालय के मध्य स्थापना व संधारण के लिए किये जाने वाला अनुबन्ध पत्र)

आज दिनांकको मैं0.....(सप्लायर) व श्रीपुत्र श्री.....
(Hostel Incharge/Authority :पता.....
 ..जिला.....पर 5000वॉट एस.पी.वी. उपकरण की स्थापना के संबंध में यह अनुबन्ध निम्न शर्तों के साथ किया जा रहा है:-

यह उपकरण राजस्थान अक्षय ऊर्जा निगम द्वारा मै0 राजस्थान काउन्सिल ऑफ सेकण्डरी एजुकेशन, जयपुर के वित्तिय सहयोग के तहत लगाया जा रहा है/गया है ।

सामान्य शर्तें व विभिन्न पक्षों के दायित्व:-**(1) सप्लायर के दायित्व:-**

1. प्रत्येक चयनित लाभार्थी Hostel निविदा में उपलब्ध सूची में से ही होना चाहिए ।
2. सप्लायर द्वारा कार्यादेश से संबंधित संलग्नक के अनुसार ही पूर्ण सिस्टम की स्थापना की जावेगी ।
3. (i) राजस्थान अक्षय ऊर्जा निगम की शर्तानुसार उपकरण स्थापना पश्चात् लाभार्थी विद्यालय को संभालने (Handing Over) के दिन उपकरण पूर्णतया कार्यशील होगा व कोई हिस्सा टूटा-फूटा या बेकार नहीं होगा ।
 (ii) सप्लायर , लाभार्थी Hostel को देव नागरी लिपि में सिस्टम की पूर्ण जानकारी एवं क्या करें क्या ना करें तथा संचालन मेनुअल उपलब्ध करवाएंगे ।
4. इस उपकरण में वो सब सुविधायें/पार्ट्स होंगे जो कार्यादेश से संबंधित संलग्नक में दिये गये हैं ।
5. उपकरण लगाने से पाँच वर्ष के भीतर ही सिस्टम खराब होने पर सप्लायर द्वारा उपकरण को ठीक कर क्रियाशील करना होगा। जिसके लिए यदि नया उपकरण लगाना पड़े तो भी सप्लायर को लगाकर उपकरण क्रियाशील करना होगा, जिसमें बैट्री भी सम्मिलित है ।
6. सप्लायर के कर्मचारी बैट्री को नियमित रूप से जांचेंगे एवं लाभार्थी Hostel के कर्मचारियों को बैट्री के रखरखाव के सम्बन्ध में पूर्ण जानकारी एवं प्रशिक्षण देंगे।
7. सप्लायर अपने कर्मचारियों / एजेन्ट को इस कार्य के लिए तहसील मुख्यालय (or at proper place) पर नियुक्त रखेंगे जिससे लाभार्थी Hostel इनसे सीधे सम्पर्क रख सकें ।
8. सप्लायर अपने कर्मचारियों/एजेन्ट को पहचान पत्र देकर रखेंगे जिसको दिखाने पर ही लाभान्वित विद्यालय उनको प्रवेश करने देगा ।
9. सप्लायर लाभार्थी Hostel को देव नागरी लिपि में एक बुकलेट उपलब्ध करवायेगा जिसमें स्थापित किये गये सिस्टम की पूर्ण जानकारी मय माड्यूल नं0 , बैट्री नं0 , पी सी यू नं0 एवं शेष सामान का विवरण अंकित किया जायेगा । इस बुकलेट में स्थापना पश्चात रख-रखाव सेवा का इंड्राज किये जाने के लिये अतिरिक्त पृष्ठ उपलब्ध होंगे। प्रत्येक रख-रखाव सेवा का इंड्राज इस बुकलेट में समय-समय पर किया जावेगा।
10. इस संबंध में राजस्थान अक्षय ऊर्जा निगम के प्रबन्ध निदेशक का फैसला अन्तिम व मान्य होगा ।

(2) लाभान्वित Hostel के दायित्व:-

1. लाभान्वित Hostel Authority सिस्टम को उपकरण की क्षमतानुसार निर्देशित उपकरणों को चलाने के उपयोग में ही लेगा। लाभार्थी Hostel निर्देशित उपकरणों के अतिरिक्त क्षमता के उपकरणों को उपयोग में नहीं लेगा।
2. यदि लाभार्थी Hostel उपकरण के साथ दिशानिर्देशों के विपरित किसी प्रकार की अवांछित छेड़-छाड़ जैसे स्थानान्तरण, दूसरी बैट्री चार्ज करना, बैट्री को दूसरे काम में लेना सिद्ध होने पर, उपकरण की पाँच वर्ष की गारन्टी स्वतः ही समाप्त मानी जाएगी।
3. लाभान्वित Hostel सिस्टम खराब होने पर सप्लायर के कर्मचारियों को सूचित करेंगे न कि स्वयं सिस्टम को ठीक करने का प्रयास करेंगे ।
4. सप्लायर द्वारा रख-रखाव न करने पर राजस्थान काउन्सिल ऑफ सेकण्डरी एजुकेशन, जयपुर एवं परियोजना अधिकारी, राजस्थान अक्षय ऊर्जा निगम को तत्काल सूचित करेंगे ।
5. लाभान्वित Hostel Authority लगाये गये उपकरण की सुरक्षा के लिए पूर्णतया जिम्मेदार होगा व चोरी होने पर पुलिस में तत्काल एफआईआर दर्ज कराके सप्लायर , राजस्थान काउन्सिल ऑफ सेकण्डरी एजुकेशन, जयपुर एवं

परियोजना अधिकारी, राजस्थान अक्षय ऊर्जा निगम को तत्काल सूचित करेंगे ।

सप्लायर के अधिकृत प्रतिनिधि

नाम.....

पद... ..

Mobile Number of
Firm's Representative:

लाभान्वित Hostel Authority :

नाम श्री.....

पुत्र श्री.....

ग्राम.....

ग्रामपं०.....

पंचायत समिति.....

जिला

Mobile Number of School Teacher:

उपकरण स्थापना एवं अनुबन्ध पत्र प्रमाणित

ह०

प्रतिनिधी, राजस्थान काउन्सिल ऑफ सेकण्डरी एजुकेसन, जयपुर
मुख्यालय

मय सील

उपकरण स्थापना प्रमाण-पत्र

राजस्थान अक्षय ऊर्जा निगम के परियोजना अधिकारी की रिपोर्ट

मेंपरियोजना अधिकारी, राजस्थान अक्षय ऊर्जा निगम.....उपरोक्त वर्णित एस. पी.वी. उपकरण की स्थापना बाबत लाभार्थी के संयंत्र का व्यक्तिशः निरीक्षण उपरान्त प्रमाणित करता हूँ कि :-

(i) एस.पी.वी. उपकरण सही प्रकार के टेण्डर में वर्णित स्पेसिफिकेशन के निविदा शर्तों के अनुसार लाभार्थी Hostel में स्थापित किया गया है।

(ii) लाभार्थी Hostel पर स्थापित उपकरण (.....वॉट क्षमता) सही हालत में कार्यरत है ।

(iii) उपरोक्त वर्णित उपकरण स्थापना पर कार्य के प्रमाणन अनुसार लागत राशि रु.अक्षरे.....की निविदा शर्तों के अनुरूप भुगतान किये जाने की अनुशंसा करता हूँ ।

हस्ताक्षर परियोजना अधिकारी
मय सील

**FORMAT OF
INSTALLATION CERTIFICATE**

GST No:	M/s..... Address: Phone No:..& Fax No:.....	E-mail
---------	---	--------

INSTALLATION CERTIFICATE

Date of Installation :

Claim Note No:

Name of Hostel :

Address of Hostel :

Gram Panchayat:Panchayat Samiti :....., District :.....

Certified that 5000 Watt PV Capacity SPV system in reference to RREC work order No:..... Dated:..... has been installed and commissioned at the place mentioned and handed over the system in good working condition to Hostel authority in reference to RREC Work Order No:Dated:..... The details of material supplied and installed are as under :

S.No.	Item:	Quantity	Make	Serial Numbers.
1.	SPV Module ofWp each:			List out all Numbers at Backside of this certificate.
2.	BatteryAh each			List out all Numbers at Backside of this certificate.
3.	Power Conditioning Unit			
4.	Module Mounting Structure			
5.	Cable			
6.	Earthing Kit			
7.	Lightening Arrestors :			
8.	Other item....			

Signature of Beneficiary Hostel Authority :

Signature of representative of Firm/dealer who
installed the system
(Name:)

Signature of Firm's authorised Person
With seal.

PM/PO, RREC verification

Compliance with the Code of integrity and No Conflict of interest

Any person participating in a procurement process shall –

- (a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- (b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- (c) not indulge in any collusion, Bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
- (d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- (e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- (f) not obstruct any investigation or audit of a procurement process;
- (g) disclose conflict of interest, if any; and
- (h) disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations. i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:

- a. have controlling partners/ shareholders in common; or
- b. receive or have received any direct or indirect subsidy from any of them; or
- c. have the same legal representative for purposes of the Bid; or
- d. have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
- e. the Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder in more than one Bid; or
- f. the Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in-charge consultant for the contract.

**SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL**

Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to.....for procurement of..... in response to their Notice Inviting Bids No..... Dated I/we hereby declare under Section 7 of Rajasthan Transparency in Public Procurement Act, 2012, that:

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Date:

Name :

Designation:

Address:

Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority is Director (Technical), RRECL Jaipur.

The designation and address of the Second Appellate Authority is Chairman & Managing Director RRECL Jaipur

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued thereunder, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings:

Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

(2) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.

(3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality.

(5) Form of Appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed Form alongwith as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorised representative.

(6) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

- (a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-
 - (i) hear all the parties to appeal present before him; and
 - (ii) peruse or inspect documents, relevant records or copies thereof relating to the matter.
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (i) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Format of Payment Claim Note**Payment claim note No.****Date:**

To,
 Managing Director,
 Rajasthan Renewable Energy Corp.Ltd.,
 E-166, Yudhisthir Marg, C-Scheme,
 Jaipur.

Please arrange to issue cost of system to M/s -----against supply, installation and commissioning of Off-grid SPV Systems in reference to RRECL, Jaipur work order/Target Allocation letter No. ----- dated----- in -----district by -----(sub-dealer name or self).
 Details as detailed under:

S. No.	Invoice No. & Date	Name of Hostel :	Off-grid SPV System detail :	Claim amount
			Total	

	Authorized Signature of Firm's representative with seal
--	---

Certificate from Project Officer, RRECL

Following are certified in reference to RRECL, PO referred above for supply, installation & commissioning of -----Nos. Off-grid SPV systems:

1. A contract (including maintenance agreement) as per the format at Annexure -8 of Tender Document has been executed with the beneficiary.
2. The material has been supplied and installed in good condition as per technical specification of tender document/work order.
3. The work has been completed within stipulated period. / with a delay of ----- days.
4. Instruction Manual & Guarantee Card has been provided to beneficiary schools.
5. System has been installed at beneficiary site and working satisfactory.
6. School wise details of installation is as per above statement.

Verified for payment Rs. -----(Rs.-----).

**Signature of PO/PM,
 RRECL, with seal**

**Declaration of material proposed for supply under this programme
for supply, installation of 5kWp PV Off-grid System by the Tenderer:**

Item S.No.	Detail of material proposed for supply for different models:	Make	Tested from { Enclose the test certificate}
1.			
2.			
3.			
4.			
5.			
.....			

SIGNATURE OF AUTHORISED
SIGNATORY WITH SEAL

Annexure -14

सोलर PV System विद्युतिकरण हेतु 63 शारदे बालिका छात्रावासों की सूची

क्र. सं.	जिले का नाम	ब्लॉक का नाम	छात्रावास का नाम	छात्रावास में विद्युत कनेक्शन हों/नहीं	छात्रावास में विद्युत कनेक्शन नहीं होने पर वैकल्पिक व्यवस्था का विवरण	सोलर सिस्टम द्वारा विद्युत आपूर्ति हों/नहीं	विद्युत कनेक्शन होने पर आपूर्ति की स्थिति (आपूर्ति प्रतिदिन घण्टों में)	छात्रावास में वर्तमान विद्युत कनेक्शन का विवरण	
								Load (KW)	Type (Three Phase/Single Phase)
1	2	3	4	5	6	7	8	9	10
1	अजमेर	किशनगढ़	सुरसरा	हां	इन्वर्टर	नहीं	10	2 KW	Single Phase
2	अजमेर	अराई	अराई	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
3	अजमेर	भिनाय	देवलियाकलां	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
4	अजमेर	मसूदा	किराप	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
5	अजमेर	केकड़ी	कादेड़ा	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
6	अजमेर	श्रीनगर	श्रीनगर	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
7	अजमेर	पिसांगन	तबीजी	हां	इन्वर्टर	नहीं	10	1 KW	Single Phase
8	भरतपुर	वैर	निठार	हां	इन्वर्टर	नहीं	10	3 KW	Single Phase
9	बारां	बारां	बारां	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
10	बारां	अन्ता	अन्ता	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
11	बारां	अटरू	अटरू	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
12	बारां	छबडा	छबडा	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
13	बारां	छीपाबडौद	छीपाबडौद	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
14	बारां	किशनगंज	किशनगंज	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
15	बारां	शाहबाद	शाहबाद	हॉ	इन्वर्टर	नहीं	6	1 KW	Single Phase
16	धौलपुर	बसेडी	मोडियापुरा	हां	—	नहीं	6	5 KW	Single Phase
17	धौलपुर	राजाखेडा	मरैना	हां	—	नहीं	6	3 KW	Single Phase
18	धौलपुर	बाडी	हांसई	हां	—	नहीं	6	5 KW	Single Phase
19	धौलपुर	धौलपुर	प्रेरणा नगर	हां	—	नहीं	10	5 KW	Single Phase
20	डूंगरपुर	आसपुर	धाणीघाटी	हॉ	इन्वर्टर	नहीं	8	5 kw	Three Phase
21	डूंगरपुर	दोवडा	दामडी	हॉ	इन्वर्टर	नहीं	8	5 kw	Three Phase
22	डूंगरपुर	झौथरी	गैंजी	हॉ	इन्वर्टर	नहीं	8	5 kw	Three Phase
23	डूंगरपुर	सागवाडा	माणकपुरा	हॉ	इन्वर्टर	नहीं	8	5 kw	Three Phase
24	डूंगरपुर	सीमलवाडा	पीठ	हॉ	इन्वर्टर	नहीं	8	5 kw	Three Phase
25	नागौर	खीवसर	टांकला	हां	इन्वर्टर	नहीं	8	3 KW	Single Phase
26	नागौर	जायल	जायल	हां	इन्वर्टर	नहीं	10	3 KW	Single Phaes
27	नागौर	कुचामन	कुचामन	हां	नहीं	नहीं	10	3 KW	Single Phaes
28	करौली	करौली	मासलपुर	हॉ	इन्वर्टर	नहीं	8	2 KW	Single Phase
29	करौली	सपोटरा	नारौलीडांग	हॉ	इन्वर्टर	नहीं	8	2 KW	Single Phase
30	करौली	नादौती	नादौती	हॉ	इन्वर्टर	नहीं	8	1 KW	Single Phase
31	करौली	टोडाभीम	टोडाभीम	हॉ	इन्वर्टर	नहीं	8	2 KW	Single Phase
32	चित्तौड़गढ़	बड़ीसादढी	बड़ीसादडी	हॉ	—	—	10	1.5 KW	Single Phase

33	चित्तौड़गढ़	बैंगू	बैंगू	हाँ	—	—	10	1.5 KW	Single Phase
34	चित्तौड़गढ़	भदेसर	नाहरगढ़	हाँ	—	—	10	1.5 KW	Single Phase
35	चित्तौड़गढ़	भैसरोड़गढ़	बोराव	हाँ	—	—	10	1.5 KW	Single Phase
36	चित्तौड़गढ़	भोपालसागर	भोपालसागर	हाँ	—	—	10	1 KW	Single Phase
37	चित्तौड़गढ़	चित्तौड़गढ़	विजयपुर	हाँ	—	—	10	2 KW	Single Phase
38	चित्तौड़गढ़	डुंगला	डुंगला	हाँ	—	—	10	1.5 KW	Single Phase
39	चित्तौड़गढ़	गंगरार	गंगरार गाँव	हाँ	—	—	10	1.5 KW	Single Phase
40	चित्तौड़गढ़	कपासन	कपासन	हाँ	—	—	10	5 KW	Three Phase
41	चित्तौड़गढ़	निम्बाहेड़ा	निम्बाहेड़ा	हाँ	—	—	10	5 KW	Three Phase
42	चित्तौड़गढ़	राशमी	राशमी	हाँ	—	—	10	1.5 KW	Single Phase
43	राजसमन्द	आमेट	आमेट	हां	—	नहीं	10	5 KW	Singal Phase
44	राजसमन्द	भीम	भीम	हां	—	नहीं	10	5 KW	Singal Phase
45	राजसमन्द	देवगढ़	देवगढ़	हां	—	नहीं	10	5 KW	Singal Phase
46	राजसमन्द	कुम्भलगढ़	चारभुजा	हां	—	नहीं	10	5 KW	Singal Phase
47	राजसमन्द	राजसमन्द	कांकरोली	हां	—	नहीं	10	6 KW	Three Phase
48	राजसमन्द	रेलमगरा	रेलमगरा	हां	—	नहीं	10	5 KW	Singal Phase
49	राजसमन्द	खमनोर	उपली ओडन	हां	—	नहीं	10	10 KW	Three Phase
50	जयपुर	जालसू	अनोपपुरा	हाँ	—	नहीं	10	1.5 KW	Single Phase
51	जालोर	जालोर	जालोर	हा	इंनवर्टर	नही	10	1 KW	Singal Phase
52	जालोर	रानीवाडा	देवपुरा	हा	इंनवर्टर	नही	10	1 KW	Single Phase
53	जालोर	भीनमाल	पूनासा	हा	इंनवर्टर	नही	10	1 KW	Single Phase
54	जालोर	सांचोर	अरणाय	हा	इंनवर्टर	नही	10	1 KW	Single Phase
55	जालोर	आहोर	आहोर	हा	इंनवर्टर	नही	10	5 KW	Three Phase
56	जालोर	जसवन्तपुरा	जसवन्तपुरा	हा	इंनवर्टर	नही	10	5 KW	Three Phase
57	जालोर	सायला	उम्मेदाबाद	हा	—	नही	10	5 KW	Three Phase
58	जोधपुर	मण्डोर	जांजीवाल कला	हाँ	इन्वर्टर	नहीं	10	2 KW	Single Phase
59	झालावाड़	झालरापाटन	असनावर	हां	नही	नही	10	5 KW	Single Phase
60	झालावाड़	अकलेरा	अकलेरा	हां	नही	नही	10	5 KW	Single Phase
61	झालावाड़	बकानी	बकानी	हां	नही	नही	10	5 KW	Single Phase
62	झालावाड़	डग	चौमहला	हां	नही	नही	10	5 KW	Single Phase
63	कोटा	इटावा	खोड़ावदा इटावा	हां	इन्वर्टर	नही	10	5 KW	Single Phase

--XXXXXXXX--