



**RAJASTHAN RENEWABLE ENERGY CORPORATION LIMITED**

## **Tender Document**

**FOR**

**THE WORK OF SUPPLY, INSTALLATION, TESTING,  
COMMISSIONING & COMPREHENSIVE MAINTENANCE  
FOR 5 YEARS OF OFF-GRID SOLAR PHOTOVOLTAIC**

**SYSTEMS OF**

**“1 kW PV CAPACITY WITH BATTERY BANK”**

**IN SCHOOLS OF BARMER DISTRICT**

**IN**

**RAJASTHAN .**

**NIT No: RREC/1kW SPV Off-grid./Schools/2016-17/07,  
Dated: 04/01/2017.**

**Note : Tender document cost : Rs. 2000/-**

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

**NIT No:  
RREC/1kW SPV Off-grid./Schools/2016-17/07, Dated: 04/01/2017.**

This tender by RREC is for selection of vendors for the work of supply, installation, testing , commissioning of 1 kW SPV off-grid Systems (Presently at 100 schools of Barmer district but this quantity can further increase upto 300 Nos. as per availability of fund allocations) in Rajasthan.

This Tender Documents along with Formats, Annexures 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.rrecl.com](http://www.rrecl.com) 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.

**(vi) 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 / 2225858, Fax: 2226028

### Brief of Schedule of Dates of Tender:

Programme & detail of work	Supply, Installation, testing , Commissioning and Maintenance for 5 Years of 1 kW SPV off- grid Systems with Battery at schools in Rajasthan.
Work Area:	BARMER district of Rajasthan.
NIT No:	<b>RREC/1kW SPV Off-grid./Schools/2016-17/07, Dated: 04/01/2017.</b>
Estimated Capacity of Project	100 Nos. of 1 kW PV capacity each.
Estimated Project Cost:	Rs. 150 Lakhs {For 100 Nos.}
Earnest Money Deposit:	<b>Rs. 3.00 Lakh</b>
Date of downloading { The tender can be downloaded from web site <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a> }	11 <sup>th</sup> day, January, 2017, 12.30 p.m. to 1 <sup>st</sup> February, 2017, 5.00 p.m.
Last Date of online submission of Tender	1 <sup>st</sup> February, 2017, upto 5.00 p.m.
Date of submission of Envelope-1 at RREC Head Office { in Hard Copy }	1 <sup>st</sup> February, 2017, upto 5.00 p.m.
Date of Opening of online Technical bid ( Cover -1 & Cover-2)	3 <sup>rd</sup> February, 2017, at 2.30 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.	<b>In Four Months from date of award of work.</b>
Cost of Tender:	Rs. 2000/- 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](http://www.eproc.rajasthan.gov.in) with scanned copies of all required documents. Documents regarding EMD, Fee and Charges to be submitted in physical form as detailed hereunder:

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 (Cover II & Cover III) will not be opened of that bidder.

3. The bidder will have to deposit in Envelope-1, (i) the prescribed cost of tender and EMD by way of DD/Banker's Cheque in favour of **The Managing Director, RREC, payable at Jaipur**; (ii) 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** . **It should be noted that scanned copies of these documents should be uploaded in cover-I online essentially.**

4. The Cover -1 will be opened on **03/02/2017 at 2.30 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. Tenderers 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](http://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](mailto: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 ONLINE 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:**

**12.1** 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, processing fee of RISL and EMD ( 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.

NOTE: The financial bid is to be submitted as per format Annexure-4. 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 a like 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](mailto:rrec2016@gmail.com)

**Contact Person:**

<p><b>Mr. R.K. Agrawal,</b>            Director (Technical), RREC,            E-166, Yudhisthir Marg,            C-Scheme, Jaipur-302001,            Rajasthan.            0141-2229341,            Email : <a href="mailto:rrec2016@gmail.com">rrec2016@gmail.com</a></p>	<p><b>Mr. Sunit Mathur,</b>  <b>GM (RE&amp;O),</b>            E-166, Yudhisthir Marg,            C-Scheme, Jaipur - 302001,            Rajasthan.            Fax: 0141- 2226028            Email:  <a href="mailto:sunitmathur2016@gmail.com">sunitmathur2016@gmail.com</a></p>	<p><b>Mr. K.C. SONI,</b>            PM (RE&amp;O), RREC,            E-166, Yudhisthir Marg,            C-Scheme, Jaipur - 302001,            Rajasthan.            Fax: 0141- 2226028            Email:  <a href="mailto:rrecsoni15@gmail.com">rrecsoni15@gmail.com</a>  <a href="mailto:deepakalwar1219@gmail.com">deepakalwar1219@gmail.com</a></p>
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## SECTION – 1

### INTRODUCTION & ABBREVIATIONS

#### 1. Background

With the help of funding from M/s. CAIRN ENTERPRISES CENTRE (CAIRN FOUNDATION), Gurgaon under CSR initiative & Financial Assistance from MNRE under their Off-grid SPV and decentralised Solar application programme under JLNNMS. RREC wishes to select competent, experienced and financially sound manufacturers / suppliers to supply, install, commissioning and to maintain Solar Photovoltaic off-grid Systems of 1 kW PV capacity each in schools of BARMER district in Rajasthan as per list ( Annexure-14). RREC would release the MNRE subsidy 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 there of for five years. **Presently proposed quantity is 100 Nos of 1 kW PV capacity each with battery back up. This quantity may further increase up to 300 Nos. as per availability of allocations of funds for this programme from Gol and M/s. CAIRN FOUNDATION.**

#### 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 incase 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 manufacturer shall be allowed to install the systems conforming to the MNRE specifications / guidelines after authorisation by RREC.
- (ii) The manufacturers may claim subsidy First from **M/s. CAIRN FOUNDATION** and then from RREC by submitting complete documents along with full addresses, and makes and serial numbers of systems & PV modules supplied along with the photographs of installed system duly verified jointly and recommended by RREC’s field Project Officer and authorised representative of **M/s. CAIRN FOUNDATION**.

#### 3. 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 from MNRE, GOI ,amount only.
- xiii) Total Subsidy : Capital cost support as sanctioned by MNRE, Gol. And M/s. Cairn Foundation, Gurgaon
- xiv) CMC : Comprehensive Maintenance Contract {Which includes maintenance of system with replacement of parts ( including Battery) free of cost}.

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## **SECTION – 2**

### **SCOPE OF WORK AND FUNDING PATTERN**

Scope of work covers supply / installation / testing / commissioning of SPV Systems ( 1 kW PV capacity with battery back up) in schools of BARMER district of Rajasthan ( As per list of schools attached) conforming to technical specification enumerated in relevant JNNSM 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 school and M/s. Cairn foundation. 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 schools.**
- (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 cover shall 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 of subsidy amount 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 @Rs/Per System 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 vendor into the Contract 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, if required.**
- 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 :**

70% of system cost or 70% of system cost plus balance required after deducting MNRE admissible CFA ( whichever is more) from M/s. Cairn Foundation, Gurgaon and remaining as per JNNSM guidelines, Ministry of New and Renewable Energy, GOI is providing 30% of cost of system ( subject to maximum Rs. 45000/- per system of 1 kW PV capacity ) will be funded/payable for this project.

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

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## **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:  
The bidder should have minimum two years experience of successful installation of Grid connected /Off-grid PV Systems/Plants.

- (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 2014-15 and 2015-16 & up to date of submission of bid.

**+**

- (b) The bidder should have cumulative experience of executing  $\geq 200$  kWp Off-grid/Grid connected SPV Power Plants/Systems in India during 2014-15 and 2015-16 & 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.

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**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 last three years { 2013-14, 2014-15 & 2015-16 } and there should be **minimum average turnover of 3.00 Crore per year in last three years**. It is further clarified that the total turnover of last three years { 2013-14, 2014-15 & 2015-16 } should be **9.00 Crores or more**.

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**SECTION – 5****PRICE SCHEDULE**

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

Supplier has to execute a Comprehensive maintenance Contract for a period of five years with the beneficiary school and M/s. Cairn Foundation during which maintenance shall be provided including replacement of the parts/system.

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**SECTION – 6**  
**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. <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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. <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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. <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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. <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p>
(ii)	<p>The bidder has financial capability to take up the proposed work to be supported by balance sheet for last three years { 2013-14, 2014-15 &amp; 2015-16 } and there should be <b>minimum average turnover of 3.00 Crore per year in last three years.</b> It is further clarified that the total turnover of last three years { 2013-14, 2014-15 &amp; 2015-16 } should be <b>9.00 Crores or more.</b></p>
(iii)	<p>The bidder should have minimum two years experience of successful installation of Grid connected /Off-grid PV Systems/Plants.</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 2014-15 and 2015-16 &amp; up to date of submission of bid.</p> <p style="text-align: center;">+</p> <p>(b) The bidder should have cumulative experience of executing &gt; = 200 kWp Off-grid/Grid connected SPV Power Plants/Systems in India during 2014-15 and 2015-16 &amp; 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)	<p><b>Details of 'After Sales Service Centre' existing in Rajasthan and proposed to be set up in BARMER district of Rajasthan. Refer Annexure 3 (C) &amp; 3 (D).</b></p>
(v)	<p>Sales tax/VAT registration certificate.</p>

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 criteria above, the bid shall be rejected without further reference.

**2. Evaluation :**

- (a) First of all the tender cost, Earnest Money 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-I (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 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 of those bidders who furnished EMD, Tender Cost, RISL e-proc Charges as furnished in physical form in the RREC office as per time schedule. 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. Tenderers are required to quote rate/cost on firm basis and no price variation on any account shall be considered.

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**PRE- REQUISITES AND PROPOSAL EVALUATION INFORMATION**

S. No.	Details required;	Information of tendering firm	Page No. Of self attested attached document
(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.  <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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.  <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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.  <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p> <p><b>OR</b></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.  <b>A copy of certificate of incorporation should be furnished along with the bid in support of above.</b></p>		
(ii)	<p>The bidder has financial capability to take up the proposed work to be supported by balance sheet for last three years { 2013-14, 2014-15 &amp; 2015-16 } and there should be <b>minimum average turnover of 3.00 Crore per year in last three years.</b> It is further clarified that the total turnover of last three years { 2013-14, 2014-15 &amp; 2015-16 } should be <b>9.00 Crores or more.</b></p>		
(iii)	<p>The bidder should have minimum two years experience of successful installation of Grid connected /Off-grid PV Systems/Plants.</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 2014-15 and 2015-16 &amp; up to date of submission of bid.</p> <p align="center">+</p> <p>(b) The bidder should have cumulative experience of executing &gt; = 200 kWp Off-grid/Grid connected SPV Power Plants/Systems in India during 2014-15 and 2015-16 &amp; up to date of submission of bid.</p> <p 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)	<p>Details of 'After Sales Service Centre' existing in Rajasthan and proposed to be set up in BARMER district of Rajasthan. Refer Annexure 3(C) &amp; 3(D).</p>		
(v)	<p>Sales tax/VAT registration certificate.</p>		

**Note: 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 tenderer shall be blacklisted.**

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**SECTION – 7**

**COMPLETION PERIOD**

The Work of 1 kW SPV Off-grid SPV systems with Battery Bank installation under this project shall be carried out and should be completed in **FOUR 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.**

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## **SECTION – 8**

### **INSTRUCTIONS TO TENDERERS**

- 8.1 Tenderers 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 tenderers are required to carefully go through the instructions included in the document and furnish complete information, necessary documents and schedules.**
- 8.6 Any applicant wishing to undertake visit to site to become familiar with site conditions may do so. For any guidance in this respect, applicant 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 applicants themselves.
- 8.8 Applicants are informed that RREC is neither under any obligation to select any applicant, nor to give any reason for either qualifying or disqualifying any applicant. 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 Any deviation from any clause of this document must be properly spelt out in a deviation statement to be submitted alongwith the proposal, giving details of page number and clause number and detailing the deviation. RREC reserves the right to accept or reject any deviation or modify the relevant clause of the document to the extent required by the deviation. **Deviation statements in the prescribed Performa (Annexure-5) must be attached with the proposal.****

- 8.13** 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 preformed/schedule.
  - (vii) Proposal is not meeting any other pre-requisite as spelt out elsewhere in this document.
- 8.14 RREC shall take up detailed evaluation of the responsive proposals only.
- 8.15 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 the BARMER district 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 M/s. Cairns Foundation shall verify this fact and then only the supplier shall be allowed to install the systems.
- 8.19 Supplier shall provide a guarantee card and a operation and maintenance manual in Devnagri script to each beneficiary school. Beneficiaries shall also be educated through brochures about do's & don't on the system.** The details of after sales service centers along with telephone numbers & contact persons of firm & details of RREC offices and office of M/s. Cairn Foundation, address, telephone numbers provided to each beneficiary school.
- 8.20 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.
- 8.21 The tenderer must quote the prices strictly in the manner as indicated in the price schedule, failing which proposal is liable for rejection.
- 8.22 The tenderer should sign the proposal form 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

- 8.23 Successful Tenderer will be required to enter into an agreement in the prescribed format (**Annexure-6**) with in 7 days of issuing **letter of award**. 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.

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

- 9.1 Intending tenderer shall have to deposit earnest money of amount Rs. 3.00 Lakh {Rs. Three Lakhs only} in the form of Demand Draft / Bankers cheque without which tender will not be considered. The amount should be deposited in favour of Managing Director, RREC payable at Jaipur.
- 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) The earnest money of successful tenderer will be adjusted towards 5% security deposit against order value and balance amount towards security shall be got deposited at the time of execution of agreement. The tenderer may deposit amount of security deposit amount in the form of Bank guarantee (**valid for one year from the date of award of work**).
- The amount of SD shall be 5% of the amount of order value which is to be deposited with in 7 days of placing of the work order.
- 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 :
- (i) The selected supplier will raise the invoice of system to **M/s. Cairn Foundation** with detail of school (where system supplied and installed). **M/s. Cairn Foundation** will release their share amount towards cost of system after deducting MNRE admissible subsidy in two parts as under :
- (a) 50% payable by M/s. Cairns on supply of material at listed 100 Nos. schools after verification of material jointly by authorised representative of M/s. Cairn Foundation and school teacher.
- (b) 50% payable by M/s. Cairns after installation and commission of system at respective sites of schools after verification of system jointly by authorised representative of M/s. Cairns Foundation and school teacher and PO, RREC, Barmer. One copy of following documents should also be furnished 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 school teacher, wherein date of commissioning is indicated.
  - (iii) Copy of Agreement with beneficiary school, M/s. Cairn Foundation and RREC for maintenance **(Annexure-8)**.
- (ii) As MNRE has sanctioned the project on reimbursement concept, RREC will furnish report of completion of project along with all installation certificates, photographs etc. as per requirement to MNRE for release of subsidy. RREC will release the admissible MNRE subsidy to the supplier as under after receipt of funds from MNRE, GoI :
- (a) 70% of admissible CFA released by MNRE shall be disbursed after receipt of funds from MNRE, GoI.
  - (b) Remaining 30% of admissible CFA released by MNRE shall be released by RREC equally as under :
    - (i) 10% after completion of 3<sup>rd</sup> year after receipt of satisfactory maintenance service report from beneficiary school and M/s. Cairn Foundation.
    - (ii) 10% after completion of 4<sup>th</sup> year after receipt of satisfactory maintenance service report from beneficiary school and M/s. Cairn Foundation and
    - (iii) 10% after completion of 5<sup>th</sup> year after receipt of satisfactory maintenance service report from beneficiary school and M/s. Cairn Foundation.
    - (iv) RREC may release this 30% of admissible CFA released by MNRE kept against 5 years CMC on submission of Bank Guarantee of value 1.5 times the 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:
    - (i) If the fault not attended with in 72 Hrs from lodging of complaint and not rectified in maximum 7 days period ONE times/per site in a year, RREC will deduct Rs. 200/- per day /per site as penalty on excess days beyond 7 days from payable AMC amount of the firm.
    - (ii) If the fault not rectified in 30 days from lodging of complaint, RREC will forfeit the entire balance amount with held as CMC security and action will be taken for debarring and blacklisting of the firm.
    - (iii) One booklet will 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 & representative of M/s. Cairn foundation periodically.
    - (iv) If, supplier furnish the BG against CMC [ as per clause 9.7 (A)(ii)(b)(iv)], any penalty worked out as per above lapses during CMC period, the same will 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 7 days of placing of the work order without which no payments shall be released.
- (D) **Invoicing Pattern:**  
The supplier will invoice for system to **M/s. CAIRN FOUNDATION, GURGAON** with mentioning address of school where actually installed with also submit one copy of same to RREC in reference to claim of MNRE subsidy.
- 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: 8<sup>th</sup> 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 given on receipt of order from RREC. In case of Failure of completion of work within given schedule and agreed extended time (with OR without Penalty)(if any) it will be treated as breach of contract and the Security deposit will be forfeited and action for debarring and blacklisting the firm will be initiated by the MD, 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 { i.e. the amount of LD shall be calculated on the subsidy payment payable by RREC} for systems which the manufacturer has failed to supply for period of delay as stated below:-**
- (a) Delay up to 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. The maximum amount of agreed liquidated damages shall be 10%.
2. 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.
4. 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 customs duty, excise duty, sales tax or duty liveable in respect of the systems authorised to be installed, shall be applicable after contract period till completion of project..

**(b) The benefit on account of decrease in these 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 there off 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 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.

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 Sales Tax registration certificate 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 all supporting documents before upload on each page 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 CMD, 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.

OR

Alternatively RREC, at its discretion, may collect upto 5% 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 EMD 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 any one 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 lacs 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 with in 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.

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**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 100 Nos. schools to one supplier only ( i.e to L-1 offer submitted by the bidder).

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**SECTION – 11****WORKS CONTRACT**

It is hereby clarified that RREC's role is limited to making payment of subsidy as received from MNRE 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 subsidy / other payments.

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**SECTION – 12**  
**ANNEXURES**

<b>S. No.</b>	<b>Annexure No:</b>	<b>Brief Details of Annexure</b>	<b>Page No:</b>
1.	1.	Minimal Technical requirements / standards for off-grid / stand alone Solar Photovoltaic (PV) Power Plant/Systems by MNRE under JNNISM.	30-33
2.	6.	Specification for 1000 Wp off-grid SPV Hybrid System with Tubular Lead Acid Battery.	34
3.	3(A), (B) , (C) & (D)	Schedule of Experience	35-37
4.	4	Price Schedule	38
5.	5	Deviation Statement	39
6.	6	Format of Agreement with supplier	40
7.	7	Format of Undertaking to be submitted by the Supplier	41
8.	8	Format for Agreement with beneficiary & CAIRNS FOUNDATION for maintenance of off-grid SPV Systems/Plant.	42-43
9.	9	Installation Certificate by beneficiary, Local representative & Project Officer, RREC.	44
10.	10	Format of Installation certificate	45
11.	11(A), 11(B), 11(C) & 11(D)	Instructions and formats to be filled / signed by tenderer as per Transparency act 2013.	46-50
12.	12	Format for Subsidy claim Note	51
13.	13	Declaration of material proposed for supply under this programme by the Tenderer:	52
14.	14	List of Schools of BARMER district.	53-55

**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 IEC 61730 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 1<sup>st</sup> 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 31<sup>st</sup> March 2013, whose validity shall be for five years.

## 1.6 AUTHORIZED TESTING LABORATORIES/ CENTERS

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.



### 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 <sub>P</sub> ) 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	<b>Yes</b> 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 <sub>P</sub> ) NABL Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	<b>Yes</b> Up to 100AH	Yes (up to 3KVA) NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited
CPRI (B)	<b>No</b>	Yes NABL/ MNRE Accredited	Yes NABL/ MNRE Accredited	<b>Yes</b> 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)	<b>No</b>	Only Electronics & luminaries NABL Accredited	Yes NABL Accredited	<b>No</b>	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 <sub>P</sub>	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 <sub>P</sub> 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: 8<sup>th</sup> July, 2010 and amended time to time should be followed.

-----XXXXX-----

### Specifications of SPV System of 1000 Wp PV Capacity System With Hybrid PCU & Tubular Lead Acid Battery and Bill of material :

S. No.	Item:	Capacity	Quantity	Standards
1.	Solar PV Array	1000 Watt	Minimum 125 Wp for total array capacity of 1000 Wp	Crystalline- Mono/Poly , Qualifying MNRE Standards..
2.	Battery Bank with Battery Rack .	24 V, 300 Ah	4 Nos. of 12V, 150Ah	The battery will have a minimum rating of 12 V 150 Ah Tubular Lead Acid Battery conforming to MNRE qualifying Standards.
3.	Hybrid PCU with Charge Controller	1200VA/1kW PCU with inbuilt MPPT Solar Charge Controller with Priority: Solar--- Battery---Grid.	ONE	Qualifying MNRE standards.
4.	Cable & Connectors	2 core, 4.0 Square MM Copper Cable	50 Meters	IS/IEC approved.
5.	Battery Cable	10.0 Sq. MM Copper cable	As per requirement	IS/IEC approved.
6.	Earthing	L/S	As per requirement	As per standards.
7.	Module Mounting Structure	40x40x5 mm Size	As per requirement	Hot Dipped Galvanized
8.	All nut & bolt	As per requirement	As per requirement.	Shall be of high quality stainless steel
9.	Balance of systems	As per requirement	As per requirement	Of certified quality standards.

**Note: (i) The System should confirm operation of systems of 600Watt capacity for 5-6 Hours per day.**

**(ii) All cable lengths are assumed and scope of supplier includes cables up to main distribution Board through PCU excluding internal house wiring.**

**(iii) Internal fittings of school will be responsibility of School administration/M/s. CAINS FOUNDATION.**

**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 cost for this arrangement will be borne by the supplier.**

**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 [2014-15 and 2015-16 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 [2014-15 and 2015-16 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 BARMER 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  
(TO BE FILLED IN ONLINE ONLY)  
(Not to be filled in pdf.)**

Tenderer shall quote rates / costs in the format given below for supply, installation, commissioning & maintenance of 1 kW off-grid SPV system with Battery Bank as per specifications (enclosed) and minimal technical requirements/standards specified in the MNRE off-grid guidelines under JNNISM 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 and all taxes and duties excluding service tax  (Rs./per system)	Price offered for Installation & Commissioning of the system  (Rs./per system)	Price offered for <b>five years</b> comprehensive maintenance of system  (Rs./per system)	Service Tax on D&E  (Rs./per System)	Total Price per system with all taxes including services tax {G=C+D+E+F}  (Rs./per system)	Total Qty. OF SYSTEMS Offered	Total cost of offered Qty. Inclusive of Supply, F&I , installation and all taxes and duties with Comprehensive maintenance charges & service tax etc. (Rs.) { I=GxH}
A	B	C	D	E	F	G	H	I
1.	SPV System of 1000 Wp PV capacity with Tubular Lead Acid Battery <b>(As per Annexure- 2)</b>						100	
<b>Total :</b>								

- 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.

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

**DEVIATION STATEMENT**

Details of Deviations from the Tender are as under:-

<b>S.No.</b>	<b>Page No. of Documents</b>	<b>Clause No.</b>	<b>Details of deviations</b>

Note: RREC is at liberty to accept or not to accept any deviation. No tender will be accepted with deviation without prior approval from competent authority of RREC.

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 of .....2017, 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) M/s. CAIRN FOUNDATION, GURGAON and
  - (III) M/s..... (Name of Empanelled firm say called the "approved supplier) in reference to project of electrification of 100 Nos. schools of Barmer district through 1 kW SPV Off-grid Power Plant and admits as under :

M/s..... (Name of approved supplier) has agreed with M/s. CAIRN FOUNDATION 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 schools of BARMER district ( As per list provided). All those articles set forth as per tender document & work order issued by RREC at the rates set forth.

**AND**

M/s. CAIRN FOUNDATION, GURGAON (As first funding agency under their CSR activity) shall pay 70% of the project cost or 70% of the project cost and balance required after deducting MNRE Admissible CFA for the project, ( which ever is more ) to the supplier after supply, installation, commissioning of 1 kW SPV Off-grid Power Plants at schools in BARMER district as per list provided in tender document and will recommend to RREC after satisfactory work completion for balance payment to supplier.

**AND**

RAJASTHAN RENEWABLE ENERGY CORPORATION shall arrange 30% of project cost/CFA (maximum @ Rs. 45000/- per system) as sanctioned from MNRE, Gol. MNRE will release this CFA on reimbursement mode and same will be released by RREC after receipt of funds and recommendations from M/s. CRAIN FOUNDATION to approved supplier.

2. And whereas the approved supplier has deposited as Security Deposit a sum of Rs. .... as Cash/Bank Draft/Banker Cheque/Bank Guarantee No. .... Dated .....With 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 ..... 2016.

Signature for and as behalf of Signature of the authorities:

Supplier	M/s. CAIRN FOUNDATION	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 ..... 2017.

Signature of the constituted  
Attorney of M/s. ....

**अनुबन्ध पत्र****(1 kW ऑफ ग्रिड एस.पी.वी. उपकरण सप्लायर व लाभान्वित विद्यालय के मध्य स्थापना व संधारण के लिए किये जाने वाला अनुबन्ध पत्र)**

आज दिनांक .....को मैं.....(सप्लायर) व श्री .....पुत्र श्री.....  
.....(प्रधानाध्यापक/अध्यापक) विद्यालय ..... पता..... जिला.....  
..... पर 1000 वॉट 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 एमएनआरई , भारत सरकार द्वारा देय अनुदान एवं मै0 केयर्न फाउन्डेशन 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 विद्यालय निविदा में उपलब्ध सूची में से होना चाहिए ।
2. सप्लायर द्वारा कार्यादेश के संबंधित संलग्नक के अनुसार 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 विद्यालय 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 के 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 बैटरी भी सम्मिलित है ।
6. सप्लायर के कर्मचारी बैटरी को नियमित रूप से जांचेंगे लाभार्थी विद्यालय के अध्यापकों/कर्मचारियों को बैटरी 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 विद्यालय इनसे सीधे सम्पर्क रख सकेंगे ।
8. सप्लायर के कर्मचारियों/एजेन्ट को पहचान पत्र देकर रखेंगे जो दिखाने पर ही लाभान्वित विद्यालय उनको प्रवेश करने देगा ।
9. सप्लायर लाभार्थी विद्यालय को देव नागरी लिपि में एक बुकलेट उपलब्ध करवायेगा जिसमें स्थापित किये गये सिस्टम की पूर्ण जानकारी मय माड्यूल नं0 , ब्रैट्री 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 विद्यालय के दायित्व:-**

1. लाभान्वित विद्यालय सिस्टम को उपकरण की क्षमतानुसार निर्देशित उपकरणों को चलाने के उपयोग में ही लेगा। लाभार्थी विद्यालय निर्देशित उपकरणों के अतिरिक्त क्षमता के उपकरणों को उपयोग में नहीं लेगा।
2. यदि लाभार्थी विद्यालय उपकरण के साथ निर्देशों के विपरित किसी प्रकार की अवांछित छेड़-छाड़ जैसे स्थानान्तरण , दूसरी बैटरी चार्ज करना, बैटरी को दूसरे काम में लेना सिद्ध होने पर, उपकरण की पाँच वर्ष की गारन्टी स्वतः ही समाप्त मानी जाएगी।
3. लाभान्वित विद्यालय सिस्टम खराब होने पर सप्लायर के कर्मचारियों को सूचित करेंगे न कि स्वयं सिस्टम को ठीक करने का प्रयास करेंगे ।
4. लाभान्वित विद्यालय उपकरण को प्रतिदिन 5 घण्टों से ज्यादा प्रयोग में नहीं लेंगे ।
5. सप्लायर द्वारा रख-रखाव न करने पर मै0 केयर्न फाउन्डेशन के प्रतिनिधी/परियोजना अधिकारी, राजस्थान अक्षय ऊर्जा निगम को तत्काल सूचित करेंगे ।
6. लाभान्वित विद्यालय लगाये गये उपकरण की सुरक्षा के लिए पूर्णतया जिम्मेदार होगा व चोरी होने पर पुलिस में तत्काल एफआईआर दर्ज कराके सप्लायर , मै0 केयर्न फाउन्डेशन के प्रतिनिधी/परियोजना अधिकारी,

राजस्थान अक्षय ऊर्जा निगम को तत्काल सूचित करेंगे ।

सप्लायर के अधिकृत प्रतिनिधि

नाम.....

पद.....

Mobile Number of School Teacher :

लाभान्वित विद्यालय के अध्यापक श्री.....

पुत्र श्री.....

ग्राम.....

ग्राम० पं०.....

पंचायत समिति.....

जिला .....

Mobile Number of School Teacher :

उपकरण स्थापना एवं अनुबन्ध पत्र प्रमाणित

ह०

प्रतिनिधी, मै० केयर्न फाउन्डेशन

मुख्यालय .....

मय सील

उपकरण स्थापना प्रमाण-पत्र

राजस्थान अक्षय ऊर्जा निगम के परियोजना अधिकारी की रिपोर्ट

मैं .....परियोजना 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 विद्यालय ..... स्थापित किया गया है।

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

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

हस्ताक्षर परियोजना अधिकारी  
मय सील

**FORMAT OF  
INSTALLATION CERTIFICATE**

RST No:	M/s.....	Phone No:
CST No:	Address:	Fax No:
TIN No:		E-mail

**INSTALLATION CERTIFICATE**

**Date Of Installation :**

**Subsidy claim Note No:**

Name of School : .....

Address of School: .....

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

Certified that 1000 Watt PV Capacity SPV system in reference to RREC work order No:..... Dated:..... has been installed and commissioned at the places mentioned and handed over the system in good working condition: The details of material supplied and installed are as under :

S.No.	Item:	Quantity	Make	Serial Numbers.
1.	SPV Module of .....Wp each:			
2.	Battery .....Ah each			
3.	Power Conditioning Unit			
4.	Module Mounting Structure			
5.	Cable			
6.	Earthing Kit			
7.	Other item....			

Signature of Beneficiary:

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

Signature of Firm's authorised Person  
With seal.

Signature of authorised Person of M/s.  
CAIRNS FOUNDATION.  
With seal.

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 there under, 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 Subsidy Claim Note****Subsidy claim note No.****Date:**

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

Please arrange to issue subsidy 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----- - under Off-grid SPV Programme 2013-14 in -----district by ----- (sub-dealer name or self) . Details as detailed under:

S. No.	Name of Firm (if any, sub dealer)	Invoice No. & Date	Name of School :	Off-grid SPV System detail :	Subsidy claim amount
				Total	

Authorized Signature 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 in good condition as per technical specification of tender document/work order.
3. The work has been completed with in 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. Village wise details of installation is as per above statement.

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

**Signature of Project Officer,  
 RRECL, with seal**

**Annexure -13****Declaration of material proposed for supply under this programme for  
1000Wp 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

**List of Schools of BARMER district:****विद्युतविहीन उत्कृष्ट विद्यालयों की सूची**

क्र.स.	ब्लॉक का नाम	पंचायत का नाम	उत्कृष्ट विद्यालय का नाम	यूडाइस कोड उत्कृष्ट विद्यालय
1	3	4	5	6
1	बाड़मेर	कवास	राउप्रावि काउ का खेड़ा, कवास	8170663701
2	बाड़मेर	रावतसर	राउप्रावि देकोणी मेघवालो की ढाणी, घोनरी नाडी	8170658503
3	बाड़मेर	रामसर कुआ	राउप्रावि सारणों का कुआं, सांगाणा कुआं	8170658801
4	बाड़मेर	सांजटा	राउप्रावि सिंधियों की ढाणी, सिंधियों का तला	8170662601
5	बाड़मेर	आटी	राउप्रावि इण्डारा (इण्डारा)	8170651601
6	बाड़मेर	बेरीवाला तला	राउप्रावि लाभू सुथार का तला, डूडियो की ढाणी	8170658901
7	बाड़मेर	दूदाबेरी	राउप्रावि मलवा (मलवा)	8170618201
8	बाड़मेर	भादरेश	राउप्रावि भादरेश गांधव (भादरेश गांधव)	8170619901
9	बाड़मेर	मीठड़ा	राउप्रावि सुथारों का तला (सुथारों का तला)	8170643602
10	बाड़मेर	बिशाला	राउप्रावि. वान्दरो की ढाणी	8170631601
11	बाड़मेर	कगाउ	राउप्रावि लेगो की ढाणी, लेगो की ढाणी	8170662901
12	रामसर	अभे का पार	रा.उ.प्रा.वि. अभे का पार (अभे का पार)	8171500301
13	रामसर	चाडी	राउप्रावि बालिका चाडी (चाडी)	8171509503
14	रामसर	इन्द्रोई	राउप्रावि भदरू	8171510901
15	रामसर	पादरिया	राउप्रावि चाडवा तख्ताबाद (चाडवा तख्ताबाद)	8171502301
16	रामसर	गंगाला	राउप्रावि मानाणियों की बस्ती (मानाणियों की बस्ती)	8171514701
17	रामसर	खारिया राठौडान	राउप्रावि खारिया राठौडान (खारिया राठौडान)	8171509801
18	बालोतरा	भीमरलाई	राउप्रावि मेकरणा ,मेकरणा	8170325002
19	बालोतरा	चान्देसरा	राउप्रावि बोटाला पुरोहितान्, बोटाला पुरोहितान्	8170323604
20	बालोतरा	जागसा	राउप्रावि वोह की ढाणी, जागसा	8170336501
21	बालोतरा	कानाना	राउप्रावि कागों की ढाणी, कानाना	8170308604
22	बालोतरा	मण्डापुरा	राउप्रावि सिन्धियों की ढाणी, मण्डापुरा	8170338801
23	कल्याणपुर	ब्लाऊ जाती	राउप्रावि ब्लाउ सांसण, ब्लाऊ सांसण	8171303301
24	कल्याणपुर	डोली कल्ला	राउप्रावि साहिब नगर, साहिब नगर	8171307701
25	कल्याणपुर	गंगावास	राउप्रावि लोपली नाडी, गंगावास	8171302910
26	कल्याणपुर	घड़ोई चारणान	राउप्रावि बादू का वाड़ा, बादुका बाड़ा	8171304601
27	कल्याणपुर	मूल की ढाणी	राउप्रावि चान्दराई, चान्दराई	8171304201
28	कल्याणपुर	रोड़वा खुर्द	राउप्रावि रोड़वा खुर्द, रोड़वा खुर्द	8171301201
29	कल्याणपुर	सरवड़ी	राउप्रावि घड़सी का बाड़ा, घड़सी का वाड़ा	8171304702
30	पाटोदी	बड़नावा	राउप्रावि भैयों की ढाणी, बड़नावा चारणान्	8171409101
31	पाटोदी	बागावास	राउप्रावि सिन्धियों की ढाणी, मोहनपुरा	8171406304
32	पाटोदी	चिलानाडी	राउप्रावि सूरजबेरा, सूरजबेरा	8171407401
33	पाटोदी	केशरपुरा	राउप्रावि कासूरों की ढाणी, इन्द्रानगर	8171406601
34	पाटोदी	खनौड़ा	राउप्रावि खारडी , खारडी	8171403801
35	पाटोदी	नवोड़ा बेरा	राउप्रावि चानियों की ढाणी, जवाहरपुरा	8171407301
36	बायतु	झाक	राउप्रावि खेतरलाई, खेतरलाई	8170212701
37	बायतु	माडपुरा बरवाला	राउप्रावि माडपुरा पुराना गांव, माडपुरा पुराना गांव	8170210401
38	बायतु	चौखला	राउप्रावि खानजी का तला, खानजी का तला	8170206501

39	बायतु	नौसर	राउप्रावि बूठसरा, बूठसरा	8170240101
40	गिड़ा	खोखसर पश्चिम	राउप्रावि सोयलों की ढाणी, खोखसर दक्षिण	8171108702
41	गिड़ा	कुम्पलिया	राउप्रावि डेलुयो की ढाणी, डेलुओ की ढाणी	8171110102
42	गिड़ा	गिड़ा	राउप्रावि मानपुरा गिड़ा, मानपुरा खारड़ा	8171104201
43	गिड़ा	परेउ	राउप्रावि सुथारों की ढाणी, परेउ	8171109002
44	गिड़ा	रतेउ	राउप्रावि पटाली, पटालीनाडी	8171106401
45	गिड़ा	जाजवा	राउप्रावि फतेहनगर, फतेहनगर	8171104101
46	चोहटन	आंटिया	राउप्रावि जूना लखवारा, जूना लखवारा	8170900601
47	चोहटन	केलनोर	राउप्रावि.रासबानी, रासबानी	8170906501
48	चोहटन	कोनरा	राउप्रावि.लालू मलक का तला, लालू मलूक का तला	8170931401
49	चोहटन	मते का तला	राउप्रावि.पनोणियों का तला, पनोणियों का तला	8170909001
50	चोहटन	उपरला	राउप्रावि देवपुरा, देवपुरा	8170904301
51	चोहटन	रमजान की गफन	राउप्रावि.भभूते की ढाणी, भभूते की ढाणी	8170905801
52	चोहटन	आकोड़ा	रा.उ.प्रा.वि. नोहडियों की बस्ती (नोहडियों की बस्ती)	8170929901
53	चोहटन	सणाऊ	राउप्रावि महादानसिंह की ढाणी(सणाऊ)	8170926503
54	धनाउ	दीनगढ	राउप्रावि.सुथारों का तला, सुथारों का तला	8170703002
55	धनाउ	मीठे का तला	राउप्रावि इब्रे का तला, इब्रे का तला	8170701701
56	धनाउ	पोकरासर	राउप्रावि.भूताणियों की ढाणी, धीरासर	8170701002
57	धनाउ	कितनोरिया	रा.उ.प्रा.वि. दुर्गे का तला जाखड़ों का तला	8170705302
58	धनाउ	नवातला राठौडान	रा.उ.प्रा.वि. तरड़ों का तला तरड़ों का तला	8170710501
59	धनाउ	बाछडाऊ	राउप्रावि रूगपुरा (रूगपुरा)	8170711701
60	सेड़वा	भंवार	राउप्रावि बामरला डेर .दानाणी ढाणी	8171701102
61	सेड़वा	भंवरिया	राउप्रावि.गंगासरिया, गंगासरिया	8171701501
62	सेड़वा	बोली	राउप्रावि माटूण्डा, माटूण्डा	8171702102
63	सेड़वा	चिचडासर	राउप्रावि.समावली, समावली	8171702301
64	सेड़वा	हाथला	राउप्रावि.मिठडी, मिठडी	8171703901
65	सेड़वा	सालारिया	राउप्रावि.सिंहार, सिंहार	8171706301
66	सेड़वा	सारला	राउप्रावि.जाटों का बेरा, जाटों का बेरा	8171706501
67	सेड़वा	साता	राउप्रावि. सुहागी	8171706801
68	सेड़वा	सेडवा	राउप्रावि.मारवाडी मेघवालों की ढाणी सेडवा	8171707301
69	सेड़वा	एकल	राउप्रावि.मेगवालों का पाड़ा भाडा, भाडा	8171702702
70	सेड़वा	कुन्दनपुरा	राउप्रावि.नेहरों का तला, नेहरों का तला	8171704702
71	सेड़वा	लकडासर	राउप्रावि.मूलानी, मूलानी	8171704802
72	सेड़वा	भैरुडी	रा.उ.प्रा.वि. बाछला बाछला	8171703801
73	धोरीमन्ना	मेगवालों का तला	रा.उ.प्रा.वि. खरड़िया राजस्व ग्राम खरड़िया	8170816601
74	गुड़ामालानी	खुडाला	राउप्रावि गोदारो का गाला, खुडाला	8171200702
75	गुड़ामालानी	मालपुरा	राउप्रावि धोलपालिया नाडा, धोलपालिया	8171203701
76	गुड़ामालानी	छोटू	राउप्रावि घमण्डाराम बेनिवाल का तला,	8171213901
77	गुड़ामालानी	गोलिया जेतमाल	राउप्रावि गोगाजी की जाल, गोलिया जेतमाल	8171203105
78	सिणधरी	अरणियाली महेचान्	राउप्रावि मकवानो की ढाणी, अरणियाली	8170538401
79	शिव	आरंग	राउप्रावि रतकुड़िया, रतकुड़िया	8170110901
80	शिव	बलाई	राउप्रावि जोरानाडा, जोरानाडा	8170100304

81	शिव	भिन्याड़	राउप्रावि अमर सिंह की ढाणी (अमर सिंह की ढाणी )	8170107901
82	शिव	धारवीकला	राउप्रावि लंगो की ढाणी (लंगों की ढाणी)	8170113601
83	शिव	धारवीखुर्द	राउप्रावि सीताराम की ढाणी, सीताराम की ढाणी	8170101501
84	शिव	स्वामी का गांव	राउप्रावि बरसिंगा(बरसिंगा)	8170103301
85	गडरारोड़	आसाड़ी	राउप्रावि अगासड़ी(अगासड़ी)	8171010801
86	गडरारोड़	बंधड़ा	राउप्रावि बीकुसी (बीकुसी )	8171005906
87	गडरारोड़	बीजावल	राउप्रावि समंद का पार (समंद का पार )	8171008901
88	गडरारोड़	जैसिन्धर गांव	राउप्रावि सुथारों का पार(सुथारों का पार)	8171004201
89	गडरारोड़	खबडाला	राउप्रावि ढगारी, ढगारी	8171008201
90	गडरारोड़	रावतसर	राउप्रावि लाम्बड़ा, लाम्बड़ा	8171005801
91	गडरारोड़	सुन्दरा	राउप्रावि बोई(बोई)	8171007601
92	सिवाना	देवन्दी	राउप्रावि बिजलीया , बिजलीया	8170400701
93	सिवाना	पऊ	राउप्रावि कालूजी का वेरा पऊ, पऊ	8170411504
94	सिवाना	काठाडी	राउप्रावि धरबला ,धरबला	8170410601
95	सिवाना	कुण्डल	राउप्रावि कुम्हारो की ढाणी कुण्डल ,सरीयादे नगर	8170409504
96	सिवाना	कुशीप	राउप्रावि साईजी की बेरी कुशीप ,साईजी की बेरी	8170407501
97	सिवाना	पादरू	राउप्रावि नवडीया वेरा पादरू ,नवडीया वेरा	8170409003
98	सिवाना	सैला	राउप्रावि झवरा नाडा हेमावास सैला, हेमावास	8170409701
99	सिवाना	सिणेर	राउप्रावि भाखरपुरा सिणेर ,भाखरपुरा	8170408404
100	समदडी	कोटडी	राबाउप्रावि अम्बो का वाडा ,अम्बो का वाडा	8171604004