



**RAJASTHAN RENEWABLE ENERGY CORPORATION LIMITED**  
(Government of Rajasthan Undertaking)

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## **Tender Document**

**for**

**Preparation of**

### **Detail Project Reports (DPR)**

**For Electrification of Remote Unelectrified Hamlets having Population less than 100 through Solar Photovoltaic (SPV) Home Lighting Systems**

**in**

**RAJASTHAN**

**Under Remote Village Electrification (RVE) Programme of the Ministry of New & Renewable Energy (MNRE) Govt. of India**

Tender Notice No. TN-13/RREC/RVE / 2011-12

Issued to: M/S \_\_\_\_\_

Issued on: \_\_\_\_\_

Tender Fee Details: Cash Receipt No. \_\_\_\_\_ dated \_\_\_\_\_

(Rs. 1000/-)

DD No. \_\_\_\_\_ Bank \_\_\_\_\_

To be submitted by 14: 00 hours 6<sup>th</sup> March, 2012 and to be opened at 16:00 hours on the same day

Tender Fee Amounting: Rs. 1000/-

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**E-166, Yudhisthir Marg, C-Scheme, Jaipur**  
**Tel: 2225859 / 2223556 / 2221650 Fax: 0141- 2226028**  
**Email: RRECL\_jai@yahoo.co.in**

## **(A) TECHNICAL TERMS & CONDITIONS**

### **1. INTRODUCTION**

As per National Electricity Policy, 2005 of Govt. of India, minimum of 1 kWh/household/day of availability of electricity should be created to cover all the households. Further, as per Govt. of India policy and prescribed norms all the unelectrified census villages and their hamlets located in isolated places, where grid connectivity is either not possible or not cost effective and not covered under Rajiv Gandhi Grameen Vidyutikaran Yojana are eligible to be covered under Remote Village Electrification (RVE) programme of the MNRE. As RREC has electrified all the villages and hamlets having population more than 100, it is now proposed to electrify hamlets having population less than 100.

### **2. DISTRICT WISE NUMBER OF HAMLETS**

District wise numbers of hamlets to be covered for DPR preparation are as follows:-

#### **ABSTRACT OF NUMBER OF HAMLETS HAVING POPULATION LESS THAN 100**

<b>S.No.</b>	<b>Districts</b>	<b>No. of hamlets</b>
1.	BUNDI	100
2.	CHITTOGARH	100
3.	DHOLPUR	100
4.	DUNGARPUR	100
5.	NAGAUR	100
6.	PALI	100
7.	RAJSAMAND	100
8.	SAWAI-MADHOPUR	100
9.	SIROHI	100
10.	TONK	100
11.	UDAIPUR	100
12.	JHALAWAR	100
13.	JALORE	100
14.	BARAN	100
15.	BHARATPUR	100
16.	KOTA	100
17.	BHILWARA	100
18.	JHUNJHUNU	100
19.	AJMER	100
20.	ALWAR	100
	<b>TOTAL</b>	<b>2000</b>

### **3. GENERAL TERMS & CONDITIONS**

- (i) Detail project report of the proposed hamlets will be prepared by the Bidder.

- (ii) The DPR is to be furnished in the prescribed format of the MNRE, enclosed as Annexure-A.
- (iii) To study feasibility of proposed plants/ systems whether it should be centralize or decentralize would be part of the project.
- (iv) Isolation status of the hamlets and distance among the houses should be taken care for recommending electrification plan.
- (v) Consultant would have to taken care of demographic status of the hamlets.
- (vi) Apart from households, other sectors ie. Commercial establishments, education centers, worship places, community centers, agriculture, cottage industries etc. available at the study area, will have to be taken care for demand and proposed supply of the electricity.
- (vii) For estimating electrical demand all the required activities should be taken care along with domestic lighting.
- (viii) Estimation of cost of the project along with cost share, subsidy, revenue generation and project management options would be part of the project. Before recommending the plan, consultant should assess its practicality. A theoretical plan, prepared without convincing base would not be accepted.
- (ix) RRECL reserves the right to distribute the order/place the order on more than one Bidder.
- (x) Work may be allotted to different tender as per the decision made by the RRECL.
- (xi) The offer along with supporting documents to be submitted in a sealed envelope addressed to CMD, RRECL by designation, not by name. The envelope should be super scribed "OFFER FOR PREPARAING DPR FOR  
**REMOTE HAMLETS UNDER RVE PROGRAMME BASED ON MNRE**  
**GOVT. OF INDIA**
- (xii) Any offer received after the deadline for submission of offers shall be rejected.
- (xiii) All the pages of tender documents, bids, supporting documents etc. shall be duly signed by the authorized signatory and company seal should be affixed on each page. Any part of the tender which is not specifically signed by the authorized

signatory and not affixed with company seal shall not be considered for the purpose of evaluation.

- (xiv) The CMD RRECL has the right of rejecting all or any of the bids without assigning reason thereof.
- (xv) The prices quoted should be @ per hamlets along with total project cost. If the no. of hamlets is reduced on any account, the amount will be deducted from the work order / bill suitably.

#### **4. SCOPE OF WORK:-**

The Scope of work includes the following:-

- (i) Extensive visits to hamlets to collect data for preparation of DPR in the prescribed format of MNRE, in consultation with the concerned Project Officer of RRECL. Five hard copies along with one soft copy of DPR will be furnished.
- (ii) Obtain following certificates from the concerned authorities, in consultation with the RRECL's Project Officer:-
  - (a) A certificate from the local revenue authorities i.e. Tehsildar that the hamlet is in permanent existence and certifying its total population, number of total households showing number of SC/ST households, number of BPL households if any, and the census code of the parent electrified village.
  - (b) A certificate from the implementing agency that the hamlet is unelectrified and is not being taken up for electrification under State/Central programmes in near future.

RRECL will however facilitate the Bidder in obtaining these certificates from the concerned authorities.

#### **5. PAST EXPERIENCE**

It is desirable that the Agency should have carried out similar work during any one of the last 5 years.

6. **FINANCIAL CAPABILITY**

- The agency will furnish their Balance Sheets for the year 2008-09 and 2009-10 and 2010-11 duly attested by C.A. to assess their financial capability.
- The Agency should be financially capable to carry out the desired work of DPR preparation in remote un-electrified villages/ hamlets.

(I) **Payment:-**

Bidder will furnish the bill in duplicate at RRECL's Jaipur office duly verified by the concerned Project Officer of RRECL along with invoice & the payment will be released after verification of the same as soon as possible, as per the provisions of GF&AR of GoR / RRECL directions. No extra cost will be paid if any expenditure incurred for verification. In case of dispute, suitably amount shall be with held and will be paid as per settlement of dispute.

(II) **Earnest Money Deposit / Security Deposit:-**

Bidder shall furnish EMD of Rs. 8,000/- in the shape of DD, with their offer, failing which their offer will be rejected out rightly. The DD should be in favour of CMD, RRECL, and payable at Jaipur.

EMD of unsuccessful tender shall be returned after award of the contract /order. No interest will be paid on the EMD/ S.D.. EMD of successful bidders will be adjusted on as security till the successfully completion of the work order.

(III) S.D. @ 5% of value of work order will have to be deposited or equivalent to EMD whichever is higher.

(IV) **Completion Time:-**

The project should be completed within three months from the date of order.

(V) **Delay in Completion i.e. Liquidated Damage:-**

Delay in delivery will attract liquidated damages as follows:-

- (a) Delay upto one fourth period of the prescribed delivery period - 2.5% of the total amount.
- (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%.
- (i) Fraction of a day in reckoning the period of delay in supply shall be eliminated if it is less than half a day.
- (ii) The maximum amount of agreed liquidated damages shall be 10%.
- (iii) 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 which has placed the order for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
- (iv) Delivery period may be extended with or without liquidated damages if the delay in supply of goods is on account of hindrances beyond the control of the tenderer.

**7. Income-Tax Returns:-**

The Agency must furnish copy of his I.T. Returns & PAN Card.

- 8. Agreement:-** An agreement will have to be made by successful bidder as per norms GF&AR within next 7 days of award of work. The successful bidder will produce agreement on non-judicial stamp paper of appropriate value on receipt of work order.

**9. Dispute Settlement:-**

In case of any dispute, decision of CMD, RRECL will be final and binding to the bidder.

**10. Validity: -**

Tender shall be valid for a period of six months from the date of opening of tender.

**11. Rules for Contract:-**

All relevant provisions of GF&AR & or purchase rules of Govt. of Rajasthan will be applicable in this case.

Authorised signature & Designation



**(B) PRICE - SCHEDULE FOR DPR PREPARATION**

**Description of work**

To prepare Detail Project Reports (DPR) for electrification of the remote unelectrified Hamlets having population less than 100 through SPV Lighting Systems as per prescribed Format of the MNRE (DPR to be furnished in 3 Hard copies, along with a soft copy thereof):-

S.No.	Districts	No. of hamlets	Cost of preparation of DPR per hamlet (Rs.)	Total cost of preparation of DPR (Rs.)
1.	BUNDI	100		
2.	CHITTOGARH	100		
3.	DHOLPUR	100		
4.	DUNGARPUR	100		
5.	NAGPUR	100		
6.	PALI	100		
7.	RAJSAMAND	100		
8.	SAWAI-MADHOPUR	100		
9.	SIROHI	100		
10.	TONK	100		
11.	UDAIPUR	100		
12.	JHALAWAR	100		
13.	JALORE	100		
14.	BARAN	100		
15.	BHARATPUR	100		
16.	KOTA	100		
17.	BHILWARA	100		
18.	JHUNJHUNU	100		
19.	AJMER	100		
20.	ALWAR	100		
	<b>TOTAL</b>	<b>2000</b>		

**Total Amount: Rs.-----**

**Amount in Words: (Rs.-----)**

- The above prices are inclusive of all taxes & duties.
- The total number of hamlets having population less than 100 to be covered is 2000.
- RRECL is at liberty to change the number of hamlets.
- The rates will be compared district wise and the bidder shall be selected for each district on the basis of lowest rates. However, RRECL will be at liberty to award work in a district to more than one bidder and more than one districts to a single bidder based on the capability of the bidder.

**Signature of Agency with seal**

**FORMAT FOR PROJECT REPORT FOR REMOTE VILLAGE  
ELECTRIFICATION PROJECTS**

**A. GENERAL**

1. Name & Full Address of the state notified Nodal Deptt. /Agency
2. Name & Full Address of the Implementing Agency  
(if other than State Nodal Deptt./Agency)
3. Name, Designation and Address (including telephone no./fax no.) of the authorized signatory.
4. Name, Designation & Full Address of district / village level officials involved

**B. VILLAGE/HAMLET DETAILS**

5. Whether the proposal is for village or hamlet?
6. If it is for hamlet, its name?
7. Name of the Village, Block & District(enclose village location map, if available)
8. Village census code
9. Is it classified as a tribal village? If yes, pl. indicate the name of the classifying Agency
10. Latitude & Longitude if available
11. Distance from nearest road-head (name of the nearest roadside village)
12. Distance from nearest rail-head (name of the nearest railway station)
13. Distance from block headquarters
14. Distance from electrical sub-station / 11 KV line (also name the location of the nearest grid sub-station)
15. Number of hamlets along with their names. Pl. also identify the dalit bastis.
16. Total population (including those of the hamlets, in case proposal is for electrification of unelectrified village). The population may be given hamlet wise. Pl. indicate the details of Dalit bastis separately.

17. Total no. of households, hamlet wise, and also indicate the number of households proposed to be provided with electrification.
18. Names of beneficiaries, including commercial establishments, shops, etc. Also give classification of beneficiaries in terms of BPL, general and SC/ST categories (enclose a separate annexure)
19. Details of community buildings (places of worship, health centre, school, panchayat office, etc.) proposed to be covered.
20. Details of small and cottage industries (name, activity, owner, number of persons employed, etc.)
21. Main occupation in the village
23. If agriculture, name the main crops

**C. TECHNICAL**

24. Details of renewable energy resource availability
  - Solar - estimated average annual insolation and clear sunny days in year
  - Biomass - type of biomass, source, quantity (tonnes/year)
  - SHP -water source (canal, run-of-river), distance from village, head (m), discharge (cumecs)
25. Estimated Electrical Demand
  - (a) Household loads (estimate of no.of light points, fans, TV, etc. household-wise)
  - (b) Commercial loads (estimate of no.of light points, fans, TV, etc. establishment-wise)
  - (c) Electrical loads for cottage industries
  - (d) Load for community buildings
  - (e) Load for irrigation/agriculture operations
  - (f) Drinking water pumping loads
  - (g) Requirement of street lights
26. Load profile, hours of operation separately for lights, fans, TV, pumps, etc.
27. Technology option proposed to be deployed
28. Justification for using this particular option
29. Capacity and details of proposed system configuration (enclose layout)

**D. COST**

- 30. Estimated project cost with break-up into major components
- 31. Means of financing – CFA, State share, other sources
- 32. Revenue generation – user charges, upfront and / or annual / monthly payments

**E. IMPLEMENTATION**

- 33. Mode of implementation
- 34. Implementation schedule
- 35. Operation & Maintenance arrangements – Warranty, AMC (scope and tenure)
- 36. Long term sustainability plan
- 37. Monitoring arrangements
- 38. Role of local community in planning, implementation and management, including revenue management
- 39. Any other information

**Date:** **Name & Signature with seal of the  
Authorized Signatory from the Implementing Agency**

**Place:**

*Note: In case the schedule is signed by a person other than the head of the agency, an authorization letter from the competent authority should be enclosed.*