



DMICDC NEEMRANA SOLAR POWER COMPANY LIMITED

OFFICE ADDRESS: 341-B, HOTEL ASHOK,  
50-B, DIPLOMATIC ENCLAVE, CHANAKYAPURI,  
NEW DELHI-110021

SITE ADDRESS: PLOT NO. SP1-32 & SP - 80 & 81, JAPANESE ZONE,  
RIICO INDUSTRIAL AREA, NEEMRANA  
DISTRICT-ALWAR, RAJASTHAN-301705

TENDER DOCUMENT

FOR

SUPPLY, INSTALLATION & COMMISSIONING OF REAL TIME  
TELEMETRY DATA SYSTEM (REMOTE TERMINAL UNIT - RTU) AT  
5MW SOLAR POWER PLANT, NEEMRANA AND ITS  
INTREGRATION WITH RRVPNL, SLDC, HEERAPURA, JAIPUR AS  
PER THE CONDITIONS OF RERC & CERC

CLIENT:

M/s DMICDC Neemrana Solar Power company Limited  
341-B, 3<sup>rd</sup> Floor, Hotel Ashok,  
50-B, Diplomatic Enclave,  
Chanakyapuri, New Delhi-110021

**DISCLAIMER:**

1. This tender document is neither an agreement nor an offer by the DMICDC Neemrana Solar Power Company Limited (DNSPCL) to the prospective Applicants or any other person. The purpose of this tender is to provide information to the interested parties that may be useful to them in the formulation of their proposal pursuant to this tender.
2. DNSPCL does not make any representation or warranty as to the accuracy, reliability or completeness of the information in this tender document and it is not possible for DNSPCL to consider particular needs of each party who reads or uses this tender document. This tender includes statements which reflect various assumptions and assessments arrived at by DNSPCL. Such assumptions, assessments and statements do not purport to contain all the information that each Applicant may require. Each prospective applicant should conduct its own investigations and analyses and check the accuracy, reliability and completeness of the information provided in this tender document and obtain independent advice from appropriate sources.
3. DNSPCL will not have any liability to any prospective Company/ Firm/ Consortium or any other person under any laws (including without limitation the law of contract, tort), the principles of equity, restitution or unjust enrichment or otherwise for any loss, expense or damage which may arise from or be incurred or suffered in connection with anything contained in this tender document, any matter deemed to form part of this tender document, the award of the Assignment, the information and any other information supplied by or on behalf of DNSPCL or their employees or otherwise arising in any way from the selection process for the Assignment. DNSPCL will also not be liable in any manner whether resulting from negligence or otherwise however caused arising from reliance of any Applicant upon any statements contained in this tender.
4. DNSPCL will not be responsible for any delay in receiving the proposals. The issue of this tender does not imply that DNSPCL is bound to select an Applicant or to appoint the Selected Applicant, as the case may be and DNSPCL reserves the right to accept/reject any or all of proposals submitted in response to this tender document at any stage without assigning any reasons whatsoever. DNSPCL also reserves the right to withhold or withdraw the process at any stage with intimation to all who submitted the tender Application.
5. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. DNSPCL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on the law expressed herein.
6. DNSPCL reserves the right to change/ modify/ amend any or all provisions of this tender document. Such revisions to the tender/ amended tender will be made available on the website of DNSPCL.

## **BACKGROUND:**

Government of India in association with Government of Japan developed a Model Solar Power Project at Neemrana, Rajasthan using cutting edge Japanese technology. The Model Solar Power Project is conceived as the first Smart Micro-Grid project in India, to demonstrate the integration of solar power with industrial diesel generator sets (as the backup facility). The Model Solar Power Project consists of the development of 6 MW Solar PV and 1.6 MW Diesel Generator Set integrated with a Smart Micro Grid feeding power to industrial consumers in Neemrana Industrial Park.

## **PROJECT OBJECTIVES**

The objectives of the project include:

- Demonstrating the implementation of an integrated solar and smart grid project;
- Encourage the use of sustainable, carbon neutral and efficient energy mechanisms;
- Wide dissemination of the technology and its performance in India.

The project would not only produce green power but also save on carbon dioxide emissions by reducing diesel consumption while incorporating cutting edge technology from Japan. The success of the project is also expected to promote the manufacture of solar panels and other equipment facilities in India.

## **Technical Bid**

1. Check list of Tender Submission
2. Technical Requirements
3. Scope of Work

S. No.	Check List for submission of Technical Documents	Attached	
		Yes	No
1.	Tender Documents Duly Signed & Stamped		
2.	Required EMD as applicable <b>Rs. 10,000/-</b>		
3.	Tender Fee <b>Rs.590/- (Rs. 500/- + 18% GST) (non-refundable)</b>		
4.	Proof of average annual financial turnover of firm during last 3 years ending 31 <sup>st</sup> March 2017 (i.e. 2014-15, 2015-16 & 2016-17) equal or more than 30 % of the estimated cost.		
5.	Proof of having successfully completed similar works during last 7 years ending last days of the month previous to one in which tenders are invited as per following. <b>a.</b> 3 similar completed works costing more than or amount equal to 40% of the estimated cost. <b>OR</b> <b>b.</b> 2 similar completed works costing more than or amount equal to 50% of the estimated cost. <b>OR</b> <b>c.</b> 1 similar completed works costing to more than or amount equal to 80% of the estimated cost. <b>OR</b>		
6.	Copy of PAN & GST		
7.	Copies of Similar work executed in last 3 years along with work order issued by the clients		
8.	All the above certificates/documents shall be submitted by the firms duly signed with seal and original shall be produced for verification as reqd.		
9.	Performance Certificate of contractor/consultant verified by RRVPNL/any agency including State has to be provided to the client.		

## Technical Requirements

**Name of Work:** “Supply, Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010” for DMICDC Neemrana Solar Power Company Limited, Plot No. - SP - 80 & 81, Japanese Zone, RIICO Industrial Area, Neemrana, Distt. - Alwar, Rajasthan-301705.

1. Sealed tenders are invited on behalf of M/s DMICDC Neemrana Solar Power Company Limited for “Supply, Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010” at Plot No.- SP- 80 & 81, Japanese Zone, RIICO Industrial Area, Neemrana, Distt. - Alwar, Rajasthan-301705.
  
2. Estimated Cost (TS) :  
(This estimate however, is given merely as a rough guide) Rs. 7.00 Lacs
3. EMD : Rs. 10,000/-
4. Cost of Tender Document : Rs. 590/-
5. Completion Time from the date of award : 15 days  
(Development Work)
6. Last date & time for Submission of Tender : 25th July 2018
  
7. **Method of Selection:** The client will select the applicant who will quote the lowest amount for the said works. The detailed description of the works (Scope of work) to be carried out is enclosed at **“Annexure-A”**.
  
8. Brief Description of the Selection Process: The Client has adopted a two stage selection process (collectively the “Selection Process”) for evaluating **the Proposals comprising the Technical and Financial Proposals to be submitted in two separate sealed envelopes**. The Technical Proposal along with the EMD and Tender fee shall be placed separately in a sealed envelope titled “Technical Proposal”. Financial proposal should be placed separately in sealed envelope titled “Financial proposal”. The technical evaluation as specified in this tender will be carried out only for those Applicants who submit the EMD amount and tender fee as prescribed in this tender. Based on this technical evaluation, a list of technically qualified Applicants shall be prepared. **Only the Financial Proposals of technically qualified Applicants will be opened**. The Applicant quoting the lowest amount shall be preferred for award of project (the “Successful Bidder”) while the second ranked Applicant will be kept in reserve.

9. **Clarification and amendment of tender documents:** Interested Parties may seek clarification on this tender document. Any request for clarification must be sent by below mentioned mail address within seven (7) days:

Email: [tenders@dmicdc.com](mailto:tenders@dmicdc.com), [atanu.dmic@gmail.com](mailto:atanu.dmic@gmail.com),

The Client will endeavor to respond to all the queries.

10. The EMD (Refundable) of Rs. 10,000/- and the cost of tender document (Non-Refundable) of Rs.590/- (Rs. 500/- + 18% GST) are to be submitted through Pay Order/Demand Draft drawn on **DMICDC Neemrana Solar Power Company Limited** payable at New Delhi. Please do not use any abbreviation in the demand draft.

No interest will be payable on EMD. In the case of successful bidder, earnest money deposit will be adjusted towards the security deposit or it may be forfeited in case the successful bidder refuses to accept the award of supply or fails to complete the required formalities within the specified and permitted time. The earnest money is refundable to the unsuccessful bidders only after the finalization of the tender. The tender without EMD will be summarily rejected.

11. Successfully completed "**Similar Work**" ("**Supply, Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) and its integration with SLDC**") during last seven years.

a. Three similar completed works costing not less than the amount equal to 40% of the estimated cost

**OR**

b. Two similar completed works costing not less than the amount equal to 50% of the estimated cost

**OR**

c. One similar completed work costing not less than the amount equal to 80% of the estimated cost.

12. Copies of similar works executed in last three years along with work order/completion certificate issued by the previous clients showing the nature of work and their value.

13. Proof Copy of valid PAN No. and GST No.

14. Proof of average annual financial turn over during last three years ending previous financial year (31<sup>st</sup> March 2018) should be at least 30% the estimated cost as per format.

15. The tender has to be submitted in DMICDC Neemrana Solar Power Company Limited (DNSPCL) office at 341-B, Hotel Ashok, 50B, Diplomatic Enclave, Chanakyapuri, New Delhi-110021.

16. Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to the risk, contingencies and other circumstances which may influence or affect their tender. A tenderer shall be deemed to have full knowledge of the site, whether he inspect it or not and no extra charges consequent on any misunderstandings or he inspect it or not and no extra charges consequent on any misunderstandings or otherwise shall be allowed.
17. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself of the scope and specifications of the work to be done and of the conditions and rates at which stores, tools, plant etc. will be issued to him by the corporation and local conditions and other factors bearing on the execution of the work.
18. All rates shall be quoted in tender form and shall include all materials, labor, transportation, duties, testing, commissioning, supervision, tool, plant, wastage, scaffoldings as required mobilization demobilization etc.
19. The contractor shall be solely responsible for complying with the provision of EPF and misc. Provision Act 1952 and ESI Act relating to manpower engaged to this contract in due event of any liability on DNSPCL by virtue of its being the principle employer due to failure of contract to comply the said Acts. The contractor shall indemnify and reimburses the amount payable to DNSPCL on this Account.
20. In case of item tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected.
21. On acceptance of tender, the earnest money will be treated as part of the Security.
22. The DMICDC Neemrana Solar Power Company Limited will return the earnest money, where applicable to every unsuccessful tenderer.
23. A tenderer shall submit the tender whom satisfies each and every condition laid down in this notice, failing which the tender will be liable to be rejected.
24. The DMICDC Neemrana Solar Power Company Limited does not bind them to accept the lowest or any tender or to give any reasons for their decisions.
25. The DMICDC Neemrana Solar Power Company Limited reserve to themselves the right of accepting the whole or any part of the tender and tenderer shall be bound to perform the same at his quoted rates.
26. The validity of the tender(s) shall be up to 180 (One Hundred Eighty) days from the date of submission of tender(s).



27. In case it is found during the evaluation or at any time before signing of the contract or after its execution and during the period of subsistence thereof that one or more of the eligibility condition have not been met by the applicant or the applicant has made material misrepresentation or has given any materially incorrect or false information, the applicant shall be disqualified forth with, if not yet, appointed as the contractor/supplier and if the applicant has already issued the LOA or has entered into the contract, as the case may be, same shall not withstanding anything to the contrary contained therein liable to be terminated along with forfeiture of Earnest Money Deposit (EMD)/ Performance Security by a Communication in writing by the Corporation to the Applicant, without the Corporation being liable In any manner whatsoever to the applicant and Without prejudice to any other right or remedy which the Corporation may have with initiation of any appropriate panel action as per the applicable law.
28. The notice of tender shall form part of the contract document.
29. All Corrigendum/Extension regarding the tender shall be published on the mentioned website only i.e. [www.dmicdc.com](http://www.dmicdc.com) .
30. **Schedule of Completion of works and Payment Terms:** The work shall be completed as per the following milestones. The payment shall be released against each item only on completion of the respective milestone or part thereof.

Sr. No.	Deliverables Description	Days (D denotes commencement date)	Payment Percentage
1.	Supply of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana with required communication cables, power cables, control cables, switches, panel, earthing materials and any other items contractor/consultant may require completing the RTU and its integration with SLDC as per requirement.	D+15	60%
2.	Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010	D+21	30%

3.	Defect Liability Period	D+1Year	10%
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31. **Financial Proposal:** The applicants should submit their financial quotes as per the details mentioned in **"Annexure-B"**.
32. The Scope of Work is estimated. It may differ as per site condition.
33. All the equipment warranty shall be two years from date of commissioning.
34. Contractor/Consultant will arrange to dispatch with each equipment copies of the operating manuals and drawings to the client. Two (2) sets of manuals and drawings are to be provided to the client at the time of supply.
35. Copies of instruction booklet/operation and maintenance manuals and spare parts bulletins shall be furnished free of cost.
36. Contractor/Consultant shall arrange all types of erection tools required during the erection of line at their own cost.
37. Boarding, Lodging and local conveyance at plant site shall be in scope of Contractor/Consultant.

For and on behalf of the

DMICDC Neemrana Solar Power Company Limited

**Financial Proposal Submission Form**

Date : XXth July 2018

To  
Managing Director,  
DMICDC Neemrana Solar Power Company Limited,  
Room No. 341B, 03rd Floor, Hotel Ashok  
Diplomatic Enclave, 50B Chanakyapuri,  
New Delhi - 110021  
India

**Subject: "Supply, Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010".**

Dear Sir,

We, the undersigned, offer to provide the services for **"Supply, Installation & Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010"** in accordance with your proposal dated [date] and our Proposal. Our attached Financial Proposal is for the sum of Rs. [amount(s) in words and figures].

Our Financial Proposal shall be binding upon us subject to the modifications resulting from arithmetic correction, if any, up to expiration of the validity period of the Proposal, i.e. [date].

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We understand you are not bound to accept any Proposal you receive.

We remain,

Yours sincerely,

Authorized Signature [In full and initials]:

Name and Title of Signatory:

Name of Firm:

Address:

**Scope of Work**

<b>Sr. No.</b>	<b>Description Of Work</b>
1	Transportation of required materials at Site, insurance, unloading, handling, taking delivery and storing of all types of below materials supplied by Contractor/Consultant.
2	<p>Supply, Installation &amp; Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010 with required cables and complete connections as required.</p> <p>System requirements : Collect and monitor all the required telemetry parameter from the Plant 33KV HT Panel. All the parameters shall be transmitted through GPRS to communication gateway at SLDC, Heerapura, Jaipur. GPRS router shall be dual modem for redundancy purpose.</p> <p>Real Time Telemetry Data System (Remote Terminal Unit - RTU) Should have sufficient Digital Input, Digital Output, Analog Input, communication ports (including redundancy system) with proper speed.</p> <p>Make : ABB, GE, Motorola, Siemens Etc.</p>
3	Supply of suitable panel for Telemetry Data System & RTU. The steel plate of the panel thickness shall be more than 2mm with exhaust fan.
4	Supply of connectors, Serial Interface Cable, Ethernet Cable, Coaxial Cables, Patch Cord Cable, Isolator Junction Box, Modbus RS485 Cable, Switches etc. for completing required communication.
5	Supply of Earthing Material for effective earthing of equipment / items under supply.
6	Supply of any other items contractor/consultant may require completing the RTU and its integration with SLDC as per requirement.

**Note :**

1. Complete civil, mechanical and electrical works required at site shall be completed/done by the contractor/consultant.
2. Electric power supply (230V AC Supply) point will be given by the client in the control room and required cables for complete wiring for Telemetry Data System, RTU etc. shall be supplied & done by the contractor/consultant.
3. GPRS SIM shall be provided/supplied by the contractor/consultant and SIM Charges for one year shall be borne by the contractor/consultant.
4. If required, Multi-Function Meter shall be provided/supplied by the contractor/consultant.
5. Type Test Certificate of RTU and other required certificate shall be provided by the contractor/consultant to the client.

FINANCIAL PROPOSAL

Sr. No.	Description Of Work	Amount in Rs.
1	Supply, Installation and Commissioning of Real Time Telemetry Data System (Remote Terminal Unit - RTU) at 5MW Solar Power Plant, Neemrana with required communication cables, power cables, control cables, switches, panel, earthing materials and any other items contractor/consultant may require completing the RTU and its integration with RRVPNL, SLDC, Heerapura, Jaipur as per the conditions of RERC (Rajasthan Electricity Grid Code) Regulation 2008 clause No. 6.2 and as per the regulation 4.6.2 of the CERC (IEGC) Regulation 2010.	
	<b>GST</b>	
	<b>Total</b>	