



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-SAMBALPUR (ODISHA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

Ref. No.: SRMU/NDP-I/VMPS-II/

dt. 22.09.2017

**INVITATION FOR QUOTATION FOR SUPPLY OF
GOODS UNDER SHOPPING PROCEDURES**

To

Dear Sir,

Sub : INVITATION FOR QUOTATIONS FOR SUPPLY OF **Rooftop Solar PV system with GRID connectivity.**

1. You are invited to submit your most competitive quotation for the following goods:-

Brief Description of the Goods	Specifications*	Quantity	Delivery Period	Place of Delivery	Installation Requirement if any
Rooftop Solar PV system with GRID connectivity	Details specifications enclosed-Annexure-II	1 No.	Within 15 days from the date of issue of Supply Order	OMTDC, Goshala, Sambalpur, Odisha	NC

* Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only.

2. Government of India has received a financing from the World Bank towards the cost of National Dairy Support Project (NDP I). Samaleswari Regional Cooperative Milk Producers' Union Limited, Sambalpur, Odisha, an End Implementing Agency of the Project now intends to apply part of the proceeds of this financing to eligible payments under the contract for which this invitation for quotations is issued.

3. **Bid Price**

- The contract shall be for the full quantity as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
- All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- Sales tax in connection with the sale shall be shown separately.
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The Prices shall be quoted in Indian Rupees only.
- GST extra.

4. Each bidder shall submit only one quotation. Bidder shall not contact other Bidders in matters relating to this Quotation.

5. **Validity of Quotation**

Quotation shall remain valid for a period not less than 30 days after the deadline date specified for submission.

6. **Evaluation of Quotations**

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- are properly signed ; and
- Conform to the terms and conditions, and specifications.



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-SAMBALPUR (ODIS HA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

The Quotations would be evaluated for the items separately.

Sales tax in connection with sale of goods shall be taken into account in evaluation.

7. Award of contract

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply order (sample form attached).

8. Payment shall be made within 30 days of delivery of the goods.

9. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.

10. You are requested to provide your offer latest by 15:00 Hrs on or before **16.10.2017**

11. We look forward to receiving your quotations and thank you for your interest in this project.

12. **Offer along with detail leaflets should be submitted for evaluation. Without Leaflets/brochures, the offer shall not be considered for evaluation.**

(K.Narayan Murty)
General Manager
Samaleswari Regional Cooperative
Milk Producers' Union Limited, SBP



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-S AMBALPUR (ODIS HA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

FORMAT OF QUOTATION *

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						In Figures	In Words
	TOTAL						
	Sales Tax						

Gross Total Cost : Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs.(amount in figures) (Rs. amount in words) within the period specified in the Invitation for Quotations.

We also confirm that the normal commercial warrantee/guarantee of months shall apply to the offered goods.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf has engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices (as defined in the prevailing World Bank's sanctions procedures) in competing for or in performing the Contract.

Signature of Supplier



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-SAMBALPUR (ODIS HA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

Annexure-I

**SPECIFICATION FOR SOLAR ROOFTOP PHOTOVOLTAIC V SYSTEM WITH
GRID CONNECTIVITY**

Design of the System

Design of the installed PV system shall serve the following three purposes in the stated order.

- I. Primarily the system will fulfil the minimum power requirement of the DCS such as of electrical appliances (Fans, Tubes, Bulbs etc.) and running of milk collection and testing systems.
- II. Upon fulfilling the power requirement or during no requirement of power system will charge the Battery storage. The Battery storage should be of capacity to provide power back up for at least two milk collection shifts.
- III. Upon fulfilling the both the above requirement, the system should evacuate the surplus power to the GRID (net metering).

The components of the system will include Solar PV modules, mounting structures, Inverter, Earthing set, Lightening arrester, wires and cables, Import-Export Meter (as per requirement of state DISCOM), Battery bank etc.

Technical Specifications

3.1 SPV Modules :

- i. The manufacturer/supplier should preferably be a MNRE (Ministry of New and Renewable Energy, GOI) approved manufacturer/supplier.
- ii. The minimum capacity of the SPV array shall be 2 KWp.
- iii. Mono/poly Crystalline type SPV modules of desired nominal voltage or peak power rating which meet specifications shall be supplied.
- iv. Modules shall be supplied with a warranty that fabrication is in compliance with the standards approved by MNRE.
- v. Offered module shall have a power output warranty for 25 years.
- vi. Solar cells/modules used should have a proven record for the performance in actual field conditions.

3.2 Mechanical components

a) Array Support Structure

- i. SPV modules shall be mounted on a non-corrosive support structure suitable for site conditions.



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-SAMBALPUR (ODIS HA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

- ii. The inclination angle of the array support structure shall be in accordance with the site condition and latitude of the place of installation.
- iii. There shall be mild steel frame structures for holding the SPV modules.
- iv. Each panel frame structure shall be so fabricated as to be grouted using cement concrete foundation or clamped as per site.
- v. Each panel frame shall be complete with a weather proof junction box as per the relevant ISI specifications, where the module terminals shall be interconnected and output taken.
- vi. The panel frame structure shall be capable of withstanding a wind load of 150 Km. Per hour after installation.

3.3 Electrical

a) Inverter

The inverter shall convert DC power produced by SPV array into AC power.

- i. Primarily inverter shall supply power to load. The surplus or in no load condition shall be used to charge battery and then excess power shall be exported to grid through net-metering as per Discom policy of the respective state.
- ii. Inverter must have facility of data logging and a remote monitoring system.
- iii. The data may be shared with EIA, NDDDB and DCS through Web/mobile applications or email alerts.
- iv. Vendor must incur the cost related remote monitoring at least for one year from commissioning of the system.

b) Cables

- i. Cabling will be carried out as per Indian Electricity (IE) Rules 1956.
- ii. Cable marking : All cables/wires shall be marked with good quality ferule.
- iii. Cable Ends : All connections shall be made through suitable cable lugs/tags crimped properly and with the use of cable glands. All cables shall conform to BIS standards.

c) Battery Bank

- i. Solar battery bank will be supplied along with the system which can discharge for 10-12 hours on 800 Watts of load in full charge condition.

d) Lightning protection

- i. The suitable lightning arrestors (ESE) installed in the array area.



SAMALESWARI REGIONAL CO-OPERATIVE MILK PRODUCERS' UNION LTD.

Regd. No.6/SM of 6th March 76

S AKHIPARA, SARLA CANAL ROAD, DHANKAUDA, DIST-SAMBALPUR (ODIS HA) 768 006

Phone : (0663) 2548590, Fax : (0663) 2548520

E-mail : [om fedsrcmpul@gmail.com](mailto:omfedsrcmpul@gmail.com)/[om fedsrcmpul@rediffmail.com](mailto:omfedsrcmpul@rediffmail.com)/[om fedsrcmpul@yahoo.com](mailto:omfedsrcmpul@yahoo.com)

- ii. Lightning protection be provided by the use of metal oxide arrestors and suitable earthing such that induced transients find an alternate route to earth.
- iii. Protection shall meet the safety rules as per Indian Electricity Act 2003/IE rules.

e) Earthing protection

- i. Each array structure of the PV yard shall be grounded/earthed properly.
- ii. Provision shall be kept for shorting and grounding of the PV array at the time of maintenance work.
- iii. All metal casing/shielding of the plant be thoroughly grounded in accordance with Indian Electricity Act/IE Rules.

f) Surge Protection

- i. Appropriate Surge protection must be provided in the system.

g) Adhering to state policy and rules of DISCOMs.

- i. System must adhere to the state solar policy and rules and regulations of state DISCOMs. All the safety measures as defined in the policy and rules.

Process to be followed for procurement and installation

- i. Rs.50,000/- may be deducted and only be claimed by the Vendor upon submission of proof of Grid connectivity in terms of power purchase agreement with DISCOM and relevant electricity bill.
- ii. Vendor supplying the system must provide the warranty of at least one year of the system.
- iii. Vendor will ensure GRID connectivity of the system approaching DISCOM and concerned state departments and fulfil the necessary requirements. EIA and the beneficiary DCS will provide all the necessary support to Vendor for GRID connectivity in terms of documentary support, facilitating site inspections etc.