

OFFICE OF THE REGULATED MARKET COMMITTEE, RAYAGADA

At : Tumbiguda, Po/Dist. : Rayagada, Pin : 765001 (Odisha), E-Mail ID-rmcrayagada225262@gmail.com

Letter No. 30 / RMC

Date 12 / 11 / 2025

Subject: Complete engineering supply and procurement of materials and supervision of Fabrication, Erection, Testing, Pre Commissioning and Commissioning and ecosystem for 1 Number of 30 MT Solar Cold Room under R.M.C., Rayagada.

The Sub-Collector-cum-Chairman, R.M.C., Rayagada on behalf of R.M.C., Rayagada invites sealed RFQ from reputed expert agencies / Companies to submit a proposal for complete engineering supply and procurement of materials and supervision of Fabrication, Erection, Testing, Pre Commissioning and Commissioning and ecosystem service for 30 MT Solar Cold Room at Lekapai under R.M.C., Rayagada. The detailed quotation call notice with specification can be seen on the Rayagada Dist. Website.

An amount of Rs. 10,000/- (Ten Thousand) only (Non Refundable) towards the cost of the RFQ documents shall have to be enclosed in shape of a "Demand Draft" drawn on any nationalized bank payable in favour of Secretary, RMC., Rayagada.

The Agencies / Companies must furnish the documents tabulated below.

1. GST and PAN Certificate of the Firm
2. Bank Draft towards the cost of Tender documents.
3. Statement of performance of the last 3 years along with documents evidence (Work / Purchase order)
4. Revenue certificate in prescribed format
5. List of services centre / Offices
6. Certificate regarding technology by the Govt.

The proposal should be submitted to the Secretary, RMC., Rayagada through Speed / Regd. Post or Drop in Drop Box available on the office premises by Date 27.11.2025 5.00 PM.

The technical bids will be opened on Dt. 28.11.2025 till 3.00 PM if possible in the presence of those bidders who choose to attend.

The technical bids shall be evaluated jointly by the evolution committee, of the RMC. Rayagada constituted by Sub-Collector-cum-Chairman, R.M.C., Rayagada.

Among the pheasible proposal, the proposal certifying technical parameters and other condition of the TOR shall be awarded the work order.

The Agencies shall be solely responsible for any cost them may incur for a site visit, Transport, Taxes, Postage, Telephone etc, in the process of submission of the proposal.

The Chairman RMC, Rayagada reserves the right at its absolute discretion to accept or reject any of the proposals without assigning any reason / reasons.

Any information in this regard if require they may contact to the Secretary, RMC, Rayagada Cont. No. 9692971903 during office hour.

Terms and Condition.

1. A layout plan of the site clearly indicating the required area for installation of the refrigeration system / Thermal Storage backup, Cold Storage Room, Solar PV System, Structure and other components with necessary civil work shall have to be submitted. Work order shall be issued only after receipt of satisfactory report suitable for system installation
2. Bidder to provide details and requirement of civil foundation with Load calculation for the set up of the Cold Room.
3. Bidder to ensure supply of all Electrical Instruments, Insulation and Mechanical Items for the proper execution of the work.
4. Bidder to provide details planning schedule for time bound smooth execution of the project.
5. The selected bidders shall provide a bank guarantee (BG) 5% of Project Cost only before the start of the work in the name of RMC., Rayagada (To be returned after completion of warranty period)
6. The installation of the Cold Room has to be completed within 30 days of receiving of the work order.
7. The bidder to provide user manual and warranty card.
8. The risk liabilities of the all personal associated with the implementation and realization of the project lies with the bidder.
9. Work order will be given after receiving approval of L-I bidding amount from competent authority.

Criteria

The bidders will be evaluated against a total score of 100 by evolution committee. The distribution of the score is as follows. Any applicant who achieve a score of 80 and above against total marks of 100 will be deemed to qualified for the technical capability criteria and are eligible for financial opening of Bid.

<u>Criteria</u>	Marks
The bidder must have experience of at least 3 years in the Installation and Commissioning of Solar Cold Room with thermal storage in India. AND At least 100 Nos of Solar Cold Rooms with Thermal installed by the bidder or its OEM in the last 3 financial years.	20
The presence of a Technical Support team in Odisha to provide after sale support services	20
Revenue for the financial year April 2024 to March 2025 shall be a minimum of 5 Crores INR.	20

Minimum three Installation of cold storage by the bidder or its OEM in the last 3 financial years having a minimum 350 MT of thermal energy storage capacity of cooling backup. The system shall be commissioned a minimum of Six months before the submission date of this tender.	20
Recognition of bidders or its OFM and technology by Central Govt. of India Agencies.	20

Evaluation of Financial Proposal:

The financial proposals of all the technically qualified Bidders will be opened on the time mentioned by the Authority. The Financial proposal shall essentially consist of figures for the project as per format. The technical proposal will be evaluated as per the Least Cost Selection (LCS) method.

Technical specification for 30 MT Solar Cold Storage :-

Enclosed Separately.

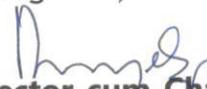
12-11-25

Sub-Collector-cum-Chairman,
Regulated Market Committee,
Rayagada.

Memo No. 31 /RMC

Date : 12 / 11 /2025

Copy forwarded to D^EG.M., Collector, Rayagada with a request to upload this notice in the district portal (www.rayagada.odisha.gov.in).

12-11-25

Sub-Collector-cum-Chairman,
Regulated Market Committee,
Rayagada.

Memo No. 32 /RMC

Date : 12 / 11 /2025

Copy submitted to the Collector, Rayagada for favour of kind information and necessary action.

12-11-25

Sub-Collector-cum-Chairman,
Regulated Market Committee,
Rayagada.

Memo No. 33 /RMC

Date : 12 / 11 /2025

Copy submitted to the General Manager, O.S.A.M.Board, Bhubaneswar for favour of kind information and necessary action.

12-11-25

Sub-Collector-cum-Chairman,
Regulated Market Committee,
Rayagada.

Technical specifications for 30 MT solar cold storage

N.	Particulars	Proposed Specifications
1	Internal volume of internal cold storage	Minimum 4500 CFT
2	Number of chambers	2 equal chambers with independent temperature set point and door
3	Storage temperature setpoint range	Set point shall be in between 1 to 15 °C for storage application or 15 to 20 °C for ripening application
4	Storage temperature maintenance criterion	Cold storage shall be able to maintain 1 to 3°C primarily on thermal storage for 48 hours with no door opening, compressor OFF, Grid OFF, battery on solar and thermal storage fully charged before the test
5	Wall & ceiling insulation	100±2 mm thick PUF of density 40±2 kg/m ³ and 0.45 mm PPGI on both sides
6	Floor Insulation	60±2 mm thick PUF of density 40±2 kg/m ³ and Kota stone
7	Door type	2 Nos. of 6 ft x 2.5 ft opening each, 100±2 mm thick PUF, with density of 40±2 kg/m ³ . Inbuilt lock
Solar System		
8	Photovoltaic panels type	Monocrystalline
9	Capacity	Minimum 28 kWp
10	Solar battery	Minimum 28 kWh
11	Auxiliary load on batteries	Maximum 2000 W (Fan, pump, controller etc)
12	Electric backup	3 phase, 440 VAC, 15 kVA with automatic change over system
13	Solar configuration	Entire solar capacity is accessible to either compressor and battery for maximum solar energy utilization
Refrigeration system		
14	Compressor capacity	Minimum 12 TR
15	Compressor type	Variable speed type and repairable
16	Compressor configuration	Compressor shall be solely powered by solar system without electric batteries
17	Condenser	Copper tube and aluminum fins
18	Evaporator	4,500 CFM in each chamber. Copper tube, aluminum fins and SS304 sheet metal body
Thermal Storage System		
18	Phase change material quantity	Minimum 4,000 kg of phase change material
19	Phase change material type	Eutectic mixture with melting point of -2 to -3 deg. C
20	Thermal storage capacity measurement	Minimum 10 linear steps
Remote Monitoring		
21	Parameters	GSM based data logger with monitoring of cold room temperature, cold room humidity, ambient temperature, thermal backup capacity, battery capacity, compressor speed and compressor on/off state

Qualification criterion

- The bidders must have a minimum cumulative turnover of INR 5 Cr over the last 3 financial years. As proof, the bidder must submit the turnover certificate certified by the Chartered Accountant.
- The bidder must have a positive net worth over the last 3 financial years.
- If a bidder is not an OEM, the bidder needs to take the authorisation letter from the OEM.

Only one authorisation from an OEM is valid.

The bidder cannot change the OEM after the tender submission.

The bidder or its OEM should have minimum 3 years of experience in solar cold storage supply and manufacturing.

- The bidder or its OEM should have cumulative experience in executing contracts of supply of at least 10 nos. of Solar Cold Storage Systems to any Central Govt./Any State Govt./PSUs/ Govt Agency/ Bodies, Registered Cooperative or Society in the last 5 years from the date of issue of this tender.
- The bidder or its OEM must not have been debarred / blacklisted / poor performance notice by any Govt. Dept., agency, PSUs / institution / agencies / autonomous organizations.

Annexure: Technical checklist to be provided by the bidder

S. N.	Particulars	Proposed specifications	Specify deviations from proposed specifications
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5	Wall & ceiling insulation	100±2 mm thick PUF of density 40±2 kg/m ³ and 0.45 mm PPGL on both sides	
6	Floor Insulation	60±2 mm thick PUF of density 40±2 kg/m ³ and Kota stone	
7	Door type	2 Nos. of 6 ft x 2.5 ft opening each, 100±2 mm thick PUF, with density of 40±2 kg/m ³ . Inbuilt lock	
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21	Parameters	GSM based data logger with monitoring of cold room temperature, cold room humidity, ambient temperature, thermal backup capacity, battery capacity, compressor speed and compressor on/off state	