

OFFICE OF THE REGULATED MARKET COMMITTEE RAYAGADA

At / PO: Rayagada, Dist.: Rayagada, (Odisha) PIN: 765001,

Email: rmcrayagada225262@gmail.com

Notice No: 335 /RMC

Date: 26 /03/2026

TENDER NOTICE

Sealed tenders in prescribed format are invited from reputed firms with previous experience in installation of solar cold storage and insulation works of cold chambers for installation of 30 MT solar cold store with on Grid system at Lekhapali Sub-Market Yard of RMC, Rayagada. Dist: Rayagada (Odisha).

Detail tender Notice along with conditions of contract and Notice Inviting Tender may be seen and downloaded from the Rayagada district website (rmcrayagada225262@gmail.com)

The downloaded bid document must be accompanied with a nonrefundable paper cost Rs.6,000/- in the form of demand draft in favour of Secretary, RMC Rayagada, payable at Rayagada and submit in separate envelop marked " Cost of tender document downloaded from district website" along with the bid document.

The bid document will be received in the above office address till 5.00 PM of 06.04.2026 by speed post/ Registered post only and will be opened on 07.04.2026 at 3.00 PM in the office of the RMC, Rayagada in presence of bidders or their authorized agents attended. The undersigned reserves the right to accept or reject any or all tenders without assigning any reason thereof.

Memo No. 336 /RMC

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

25-3-26
Sanjay
Sub-collector-cum- Chairman
R.M.C. Rayagada
Date 26 / 03 /2026

Memo No. 337 /RMC

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

25-3-26
Sanjay
Sub-Collector-cum-Chairman,
R.M.C., Rayagada
Date 26 / 03 /2026

Memo No. 338 /RMC

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

25-3-26
Sanjay
Sub-Collector-cum-Chairman,
R.M.C., Rayagada
Date 26 / 03 /2026

OFFICE OF THE REGULATED MARKET COMMITTEE
AT/PO: RAYAGADA, DIST: RAYAGADA, PIN:765001,

REQUEST FOR PROPOSAL (RFP) WITH SCHEDULE OF
SPECIFICATIONSFORM

FOR

SUPPLY, ERECTION, TESTING & COMMISSIONING OF
REFRIGERATION SYSTEM WITH COLD CHAMBERS,
MULTISOURCE ENERGY INTEGRATED WITH SOLAR
AND ASSIST IN OPERATION FOR 3 YEARS BY
MANAGING COLD STORAGE BY IMPLEMENTING
AUTOMATION AND ARTIFICIAL INTELLIGENCE AT
RAYAGADA MARKET YARD, RAYAGADA, ODISHA.

Estimate cost: INR 49,48,925 / -

**OFFICE OF THE REGULATED MARKET COMMITTEE,
AT/PO: RAYAGADA, DIST: RAYAGADA, PIN : 765001(ODISHA)
E-MAIL: rmcrayagada225262@gmail.com**

Work Description: DESIGN AND DEVELOP AN ENERGY EFFICIENT POST HARVEST MANAGEMENT OF FLOWER, FRUITS AND VEGETABLES AT LEKHAPAI SUB-MARKET YARD OF KOLONARA BLOCK UNDER REGULATED MARKET COMMITTEE (RMC), RAYAGADA, DISTRICT OF RAYAGADA, ODISHA

Earnest Money Deposit (EMD): 1% of the tender value EMD shall be deposited by the bidder with the bidding documents. EMD will be exempted for companies registered under MSMEs in only the State of Odisha.

Tender Fee (Inclusive of GST) (Rs.): 10,000 INR. A non-refundable tender fee in the form of Demand Draft drawn in favor of "REGULATED MARKETING COMMITTEE, RAYAGADA" payable at Rayagada.

Performance Bank Guarantees: Performance Bank Guarantee of bidder will be 3% of the value normally prescribed for 1 year after commissioning.

Site visit (If any): Bidder may visit the site with prior intimation on before bidding.

Last Date of Posting Consolidated replies to all the pre-bid queries as received: 06 / 04 / 2026, up to 17:00 Hours

Last date and time of receipt of Bids : 06 / 04 / 2026, up to 17:00 Hours

Date & Time of opening technical bids & EMD : 07 / 04 / 2026, 15:00 Hours onwards

Qualification Criteria for Bidders:

- The scope of work for the engineering and construction will be submitted with its time schedule to finish the project and also a write up for approaching the design and project implementation process.
- The bidder should have average annual turnover (AAT) of Rs. 8 Crores in any of the last 5 financial years from (FY 20-21, FY 21-22, FY 22-23, 23-24 & 24-25). CA Audited balance sheet and profit & loss account statements to be submitted. For OEM only registered in MSME Odisha will be considered average annual turnover (AAT) INR 3 Crore in last 5 financial years from (FY 20-21, FY 21-22, FY 22-23, FY 23-24 & FY 24-25).
- The prospective Bidder(s) should be a registered Sole Proprietor Firm / Partnership Firm/ Company and should possess all Statutory Compliance. Bidder must submit the copy of all these Registration certificates like Valid PAN, ESI registration, EPF registration, GSTN

Registration & MSME registration of State of Odisha etc.

- OEM Registered in India of PUF / cooling machines / electrical / PV System / Electronics or their sole authorized distributor / channel partner or PV System Integrators are eligible to bid. Authorization letter in the prescribed format from Original Equipment Manufacturer (OEM) in favor of authorized distributor / channel partner to bid / conclude the order against this tender, must be provided with technical bid. PV System integrators shall also be required to submit the MAF from OEM.
- Bidder should have experience of successful erection, testing and commissioning of at least 9 no's solar cold storage projects in 2 contracts contract during last 3 years as on date of opening of bid. Copy of these Purchase orders along with completion certificates must be attached with technical bid.
- The bidder should have HT license of any state, however after getting awarded the bidder should have to submit the Odisha HT license.
- Bidder should not be blacklisted by any Govt. Organization / Utility. Bidder to give the self-certification for it.
- Joint Ventures (JV) are not allowed.
- The RMC shall not be responsible for any delay in postal services.
- It is responsibility of manufacturer /EPC /Construction Company for ensuring timely delivery the design and project.
- The contactor will maintain an office to closely coordinate and work with RMC to maintain the solar cold storage and assist in operational. A automation system and mobile app will be developed by the EPC / construction company after T&C.
- Registered startup under Govt of Indian MSME will be a better preference.
- The bid should contain two parts one for Technical Bid and second for Financial Bid as provided.

Reverse Auctions

RMC reserves the right to conduct the reverse auction for the project being asked for in the tender and reserves the rights with RMC. The terms and conditions for such reverse auction events shall be as per the tender. The bidders along with the tender document shall mandatorily submit a duly signed copy of the Acceptance Form attached as Annexure VI as a token of acceptance for the same.

The bidding will be for 30MT solar GI cold storage for RMC Rayagada to install at its Market Yard.

Mandatory documents required along with the Bid

- EMD of requisite value and validity
- Tender Fee
- Requisite Documents for compliance to Qualification Criteria
- MSME registration of state of Odisha
- Drawing, Type Test details, OEM letter for cold storage, solar system, electrical automation and other automation products.
- Detail design for cooling and solar system integration
- Bidder will follow the design and plan of the RMC
- Solar generation simulation design and detail
- Duly signed and stamped tender document.
- Proper authorization letters from OEM
- Power of Attorney to sign the tender on the behalf of bidder
- A certified copy should be submitted by the bidder regarding not blacklisted by any govt. offices
- Declaration for 3 years assistance and system guarantee signed by directors.

General Information	30MT Solar Cold Storage for Multi Product (1 Chambers each)
Base Structure Details	The solar cold storage will have solar system on rooftop with cold storage rooms inside. The structure should sustain maximum wind speed of the cyclonic zone, 220km/h in costal zone too.
Ambient temp (in °C)	35°C, Storage temperature range:5 °C to 35 °C
Product Stored	Flowers / Fruits / Vegetables etc * details will vary with more options, Product incoming temperature @ 20 °C - 35 °C
Door opening /day	Should be 4 times max, 10 minutes of each (30 minutes max / day)
Product incoming rate	15-45%, Working Hours & Number of persons allowed to entry two persons
Cold Storage (30 MT staging cold room)	
Dimensions (L x W x H)	Customized with (27.5' x 17' x 10')
Temp (in °C)	Storage temperature range 2 °C to 8 °C
Chamber	1 Nos
Wall & ceiling insulation	100 mm Polyurethane Foam (PUF) + PPGI Cladding with density of 40+/-2 kg/m³ Make: Blue star/ Rinac / Kingspan Jindal / Lloyd insulation only
Door type	6.5 feet height x 3.5 feet width. 100 mm PUF of 40+/-2 kg/m³, 0.5mm PPGI sheets on both sides, Safety inside door lock
Floor insulation	100 mm Polyurethane Foam with density of 40+/-2 kg/m³ + GI / Tiles
Door curtain	PVC curtain before the door
Lights	3/4 Nos of internal LED Lights

Refrigeration System	<ul style="list-style-type: none"> • 30k BTU or above with 2 x 100% efficiency calculation of refrigeration system with calculative energy efficiency alternative for operational failure condition for individual rooms • Assistance locally available within 250km of installation for long term operational assistance. Easy to repair after installation. • Multiple units of multiple temps or different size with respect to National Horticulture Board Equivalent , R22 / R404A / Eco friendly gases, • The temperature controller will be digital displayed, simple operation and easy to handle by local farmers / personal. Compressor controller with separate set points. Compressor cut off and temperature controls with respect to set temperature, • Put down time (5Hrs). Additional humidifier if necessary <p>Make: Blue star/ Daikin / Rinac/ Emerson only</p>
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Ante Room	
Dimensions (L x W x H)	5' x 7' x 10', modification will be approved as per site with client's approval. Anteroom may be used as a cooling room in case of need.
Wall & ceiling insulation	60 mm Polyurethane Foam (PUF) + PPGI Cladding with density of 40+/-2 kg/m³ Make: Blue star/ Rinac / Kingspan Jindal / Lloyd insulation only
Door type	6.5 feet height x 3.5 feet width. 60 mm PUF of 40+/-2 kg/m ³ , 0.5mm PPGI sheets on both sides, Safety inside door lock
Floor insulation	60 mm Polyurethane Foam with density of 40+/-2 kg/m³ + GI / Tiles
Door curtain&Lights	PVC curtain before the door&1 Nos of internal LED Lights

Civil & Solar Structure	<p>In case there will be any support for rooftop structure needed then the bidder will submit that with tender documents. The bidder will submit and structure analysis report along with the offer for building with tender documents. The frames and leg assemble of the mounting structure is made of MS hot dip galvanized of steel sections Tubes. Galvanizing shall be checked and tested in accordance with IS: 2633. The structure is designed in such a way that it will occupy minimum space without sacrificing the output from SPV panels at the same time it will withstand severe wind speed up to maximum 220 kmph. The report will be submitted along with the tender. The solar arrangement drawings of all individual rooftops shall be submitted with the tender for all individual builds.</p> <p>Raw Material: Tata Steel / JSW Steel / SAIL / VISA Steel / RINL / Essar Steel</p>
Electrical System	<ul style="list-style-type: none"> • Submit the design and stability calculation of solar system for the CS along with energy efficiency details. Solar System should be designed to achieve the cooling of average 37.2 million KJoule / month requirement. Solar system may be DC to DC for better efficiency. Bidder should consider a multi energy source of battery system IEC 60086 or similar ICEDGIEC. 88528-11 standard at least beyond 10 hours of energy backup. • 100% operational design with avoiding all possible risk of shutdown during any day of the year. • Panel level monitoring controlling in case of power optimizer system. • Take all possible Govt approvals for the solar cold storages system including Odisha State HT license. • Provide logical control incase grid failure in stormy days.

	<ul style="list-style-type: none"> • Indian standard approved (MNRE approved) solar PV. • All possible options for power supply at any point of time for cooling system. • Consistence Energy Supply arrangements from multiple sources <p>Makes: Waaree / Vikram / Adani / Renewsys/ Saatvik / Emmvee Inverter Makes: Havells / Waaree/ Solaredge / Delta / GoodWe /ABB / TMEIC/ Fronius / Huawei</p> <p>Any electrical system:Schneider / ABB / Eaton / Hager / Cable: Polycab / Havells</p>
Space Management	The cold storage should have a space management installation to accommodate maximum possible commodity and should not violate the cooling conditions.

TERMS OF PAYMENT:

Payments will be released in the following manner:

- 85 % (Eighty five Percent) of the contract value on satisfactory completion of the works.
- 15% (Five Percent) of the contract value as PBG shall be retained as Security Deposit and shall be released after 12 months from the date of successful commissioning of the work.
- Statutory Income Tax, GST etc. at rates applicable shall be made from the bills

COMPLETION PERIOD:

The entire work is to be completed within a period of 90 days, which would be subject to force-majeure. The starting date of the works will be considered from the date of execution of the agreement after issue of work order to the Contractor by the RMC, RAYAGADA.

GUARANTEE:

The Contractor will provide guarantee on the materials supplied and the workmanship for the works executed for a period of 60 months from the date of successful commissioning of the plant with successful operation.

RESPONSIBILITIES AT WORK SITE:

The Contractor has to comply with all statutory requirements of the Central/ State Govts. with respect to the workmen/labourers to be engaged for the entire works, including their safety and make its own arrangements for providing them with the necessary facilities and security at its own responsibility and cost during execution of the works.

DOCUMENTS TO BE FURNISHED:

Details of previous works of similar nature executed (on letter-head of the firm, duly signed), photo copies of Certificates of Registration, Up-to-date GST, and Income Tax Clearance are to be furnished.

The hard copy proposals/ bids will be addressed to Secretary, RMC Rayagada, At/Po: Rayagada. The

complete proposal/bid should reach on or before 5.00 PM on **06/04 / 2026**, For further details please contact the undersigned.

Their quest for bidding has to be sent to the following address:

Secretary,
REGULATED MARKETING COMMITTEE
At / PO : Rayagada,
Dist. : Rayagada, (Odisha) PIN: 765001
Tel : +91 9692971903
Email: rrrayagada225262@gmail.com

laxman
Sub-Collector-dum- Chairman,
RMC, RAYAGADA- 3-24
25-3-26
25/3/26

Technically Designed and Approved

Design Consultant

Commercial Bidding Doc:

SL NO	For 30 MT Solar Cold Storage	In INR
1	Site development	
2	Prefabricated Shed / Civil Structure	
3	Cold Room Chambers + Space Management	
5	Solar Package +Surge Protection, Electrification	
6	Thermal Energy Storage	
7	Govt Approvals' & T&C	
8	Automation and operation management assistance connecting & managing Farmer's	
	Insurance	
	GST	
	Operational EXP for 3 Years	
	Estimated Project Cost	
	Rate quoted in _____% Less or excess (strikeout the option in between)	_____ INR

This is to confirm that in case of award of the contract to us, we are agreeable to execute the works as per the Specifications / Terms & Conditions in this "SUPPLY, ERECTION, TESTING & COMMISSIONING OF REFRIGERATION SYSTEM WITH COLD CHAMBERS, MULTISOURCE ENERGY INTEGRATED WITH SOLAR AND ASSIST IN OPERATION FOR 3 YEARS BY MANAGING COLD STORAGE BY IMPLEMENTING AUTOMATION AND AI ATRAYAGADA MARKET YARD, RAYAGADA, ODISHA.

Our lump-sum rates on works contract basis inclusive of works-contract GST and all other taxes and levies, transport/loading/unloading charges etc. are quoted as under. This tender will remain valid for four months from its date of submission.

(1). Rs _____.....in words)

for all Refrigeration, electrical, automation, AI, solar and operation assistance etc.

Ms.

(Name & Address of the Firm)

(Authorized Signature with Date & Seal of the of the Firm)

A. GENERAL INFORMATION OF THE BIDDER

Name of Firm	
Country & Year of Incorporation	
Address of corporate headquarters and its branch office(s) in Odisha	
Details of individual(s) who will serve as the point of contact	(a) Name: (b) Designation: (c) Company: (d) Address: (e) Telephone Number: (f) Fax Number: (g) E-Mail Address:

Enclosures	1. Details As per tender
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B. FORMAT FOR ESTABLISHING THE TECHNICAL EXPERIENCE OF THE BIDDER

#	Description	Detail
1	Project Name	
2	Project Location	
3	Project Start & End Date	
4	Cost of the Project (in INR)	
4	Project Description	
5	Project Drawing Samples	

The above table should be submitted for each of the showcased project along with relevant supporting documents (like Work Order/Contract Agreement/performance certificate from relevant authorities)

Authorized signatory

**BILL OF QUANTITY AND PRICE ESTIMATE
FOR SUPPLY, INSTALLATION AND COMMISSIONING OF MULTIPURPOSE SOLAR COLD STORAGE
UNDER RMC RAYAGADA, DIST.: RAYAGADA, (ODISHA.)**

		30 MT Solar Cold Storage, RMC RAYAGADA
1	Chamber - 1: COLD ROOM	27' x 17' x 10'
2	Anteroom	7' x 10' x 10' Customized WRT Site
3	Electrical and solar system	Customized Solar integration as per RFP
4	Addition to Civil Structure	Addition to the rooftop structure to sustain the cyclone stability of the zone as per RFP.
5	Post Installation Management	Automation in Operation support and marketing support as per RFP

BILL OF QUANTITY					
SL NO	ITEM DETAILS	Quantity	Unit	Rate unit	Amount
COLD ROOM					
1	Refrigeration unit for cold rooms (1&2) 30000 BTU/Hr.	As per design RFQ	Nos		
2	100mm thick Wall Panel PP/PP		sqft		

3	100mm thick Ceiling Panel PP/PP		sqft		
4	100mm single layer PUF Slab		sqft		
5	100mm thick Door 2000mm x 900mm		no		
6	Internal Flashing		Rft		
7	External Flashing		Rft		
8	U Profile		Rft		
9	Floor Finish RCC with 8mm TMT 250x250 reinforcement, M-20 grade, Kota Stone top.		sqft		
10	CFL Lighting		Nos		
11	Digital temperature indicator		no		
12	Suspension, T channel and silicon sealant		lot		
13	Other misc Accessories		lot		
14	External support outside for panel drift in case of inside pressure due to food bagasse load on walls. with drawing		lot		
	Anteroom				
1	100mm thick Wall Panel PP/PP		sqft WRT Site		
2	100mm thick Ceiling Panel PP/PP		sqm		
3	Floor Finish RCC with 8mm TMT 250x250 reinforcement, M-20 grade, Kota Stone top.		sqm		

4	100mm thick Door 2000mm x 900mm		no		
5	Internal Flashing		Rft		
6	External Raising		Rft		
7	U Profile		Rft		
8	CFL Lighting		Nos		
9	Suspension, T channel and silicon sealant		no		
10	Other misc Accessories		lot		
11	External support outside for panel drift in case of inside pressure due to food bagasse load on walls. with drawing		lot		
	Electrical and solar system				
1	PV Module		Nos.		
2	Array Harness Cable (Solar Cable / DC Cable)		Mtrs.		
3	DWC Conduit		Mtrs		
4	Perforated type Cable Tray with Cover		Mtrs.		
5	MC-4 Connectors		Pairs		

6	Solar Inverters		Nos.		
7	Solar Inverters incase optimizer		Nos.		
8	DCDB		Nos.		
9	Angle/ Frame for Inverter & DCDB fixing		Nos.		
10	Cable: DCDB to inverter		mtr		
11	Cable pipe & warning tapes		mtr		
12	Cable Tie		Lot		
13	Module Mounting Structure		Lot		
14	STAAD report to substantiate the material used for given wind speed		Lot		
15	Hardware (For rooftop / ground Mounting)		Lot		
16	Earthing for Solar Plant (DC Modules & DCDB)		No		
17	Inverter Protective Earthing Accessories		No		
18	Earthing Electrode with Accessories		Nos.		
19	Earthing Pits (Excavation & Back filling as required)		Mtrs		
20	ESE type LA with Base Plate and Mounting Stand		Nos.		
21	Excavation hole for pole & filling		Kgs		
22	Mounting pole		Nos		
23	Auxiliary arrangements		Nos		
24	ACDB		Nos		
25	AC Cable (Inverter to ACDB / LT Panels or both)		Nos		
26	LT Power Cable (AC) (For Looping between ACDBs to JB / Main LT panel)		Nos.		
27	ACDB / LT Panel		Mtrs		
28	Angle/Channel for ACDB fixing (if ACDB)		Mtrs		

29	Transformers (11 KV/440VONAN)				
30	LT power cable from ACDB / LT Panel to Transformer (11KV/400V)/Bus duct		Mtrs		
31	LT control cable from ACDB / LT Panel BKR to Transformer (11KV/400V)/Bus duct		Mtrs.		
32	Lightning arrester		Lot		
33	Illumination system (lighting exhaust fan+JB+conduit etc..)		No		
34	DCDB + incase Battery charger		kWh		
35	Cable pipe		Nos.		
36	small tile / warning tape		Nos.		
37	Warning tapes		NO		

38	Gland (Single Compression) suitable for 4C x 35 sqmm,CU,XLPE, Armoured Cable		Nos.		
39	Lugs (Copper) suitable for 4C x 35 sqmm,CU,XLPE,Armoured Cable		Nos.		
40	Gland (Double Compression) suitable for 3.5C x 185 sqmm,Al,XLPE,Armoured Cable		Nos.		
41	Lugs (Aluminum) suitable for 3.5C x 185 sqmm,Al,XLPE,Armoured Cable		Nos.		
42	Lugs (Cu) suitable for 16 sqmm,Cu,PVC,Unarmoured Cable		Nos.		
43	Ferrules		Nos.		
44	Cable Tags		Nos.		
45	Fire Fighting		Nos		
46	Cleaning Arrangement		Mtrs		
47	Other Electrical and Mechanical accessories		Lot		
48	Nut bolts/Screws/Anchor bolts (HDG)		Lot		
49	Cable Tie		Lot		
50	Insulation Tape		Lot		
51	Route marker & Earth Pit marker		Lot		
52	Display boards,		Lot		
53	danger boards		Lot		
54	Walkway (HDG / FRP) including Fasteners		Lot		
55	Design & Engineering		Lot		
56	Installation, Testing and Commissioning		Lot		
57	Zero Export Device		Nos		
58	DG Set				
59	DG-SPV-BES integration				
60	NOC from GEDCOL/ OPTCL		Nos		
61	Net Metering (incase GPRS/GSM Modem with RS485 with connecting cable)		Nos		
62	Insurance 3 years		Nos		
63	Maintenance 3 years		Nos		

	Addition to Civil Structure				
1	Modifications in civil infra without changing its strength.		Nos		
2	Add structure to with stand cyclonic pressure		Nos		
	Post Installation Management				
1	Automation and AI in operation of cold storage assistance for 3 years AS per RFP		Nos		

2	Add farmers to market in post management		Nos		
3	Solar cold storage details daily info to RMC / district / state admins		Nos		
4	Add food process and consumer markets with AI		Nos		
5	Post installation management assistance for 3 years		Nos		
				TOTAL	51,57,406

NOTES:

Included civil works except external floor finish.

Included electrical arrangement, panel and cables.

Excluded electricity supply line for cold storage, expenses for any DSCOM expenses and all other works not mentioned above

Excludes all other works not mentioned above.

All prices are in rupees without GST, taxes and duties.

Technically sanctioned for **Rs.49,48,925/-**

Seal & Signature of Consultant