

# OFFICE OF THE REGULATED MARKET COMMITTEE, KUCHINDA

At- Kundapost, PO-Kuchinda, Near Fire Station, In Front of Forest Park, Sambalpur

Pin-768222 Telephone No. (06642) 221066, Email ID - rmc.kuchinda@gmail.com

Letter No- 615

Date- 10.01.2023

## Request For Quotation (RFQ)

**Subject:** Supply, Installation, commissioning and maintenance for 5 years of 30 MT cold room at Main Market Yard, Kuchinda

The Sub-Collector-cum-chairman RMC, Kuchinda on behalf of the RMC, Kuchinda invites sealed RFQ from reputed expert Agencies/Companies to submit a proposal for the Supply, Installation, commissioning and maintenance for 5 years of 30 mt cold room at the RMC, Main market yard, in Kuchinda.

The detail Quotation call notice with specification can be seen from the Sambalpur District web site. [www.sambalpur.nic.in](http://www.sambalpur.nic.in).

### Scope of Work:

The agency/company is required to carry out all necessary works mentioned in the Terms of Reference (ToR) towards empanelment to Promote Sales of Dry Red Chilli produced in Kuchinda Sub-division in International and National Markets.

An amount of **Rs.5000/- (Rupees Five thousand)** only (non-refundable) towards the cost of the RFQ document shall have to be enclosed in the shape of a "Demand draft" drawn on any Nationalized Bank Payable in favour of Secretary R.M.C, Kuchinda.

The agency/ company must furnish the documents tabulated below:

1. GST and PAN certificate of the firm
2. Band draft towards the cost of tender document
3. Statement of Performance of the last 3 years along with documentary evidence (Work /Purchase orders)
4. Revenue certificate in prescribed format
5. List of service centres/offices in Odisha
6. Certificate recognizing technology by Government of India

The proposal should be submitted to The Secretary RMC, Kuchinda through Speed/Regd. Post or drop in the drop box available on the office premises by 3:00 P.M till 17.01.2023

The technical bids will be opened on dt. 18.01.2023 at 3.30 P.M, if possible, in the presence of those bidders who chose to attend.

The technical bids shall be evaluated jointly by the committee of Sub-Collector Kuchinda, RMC Secretary, Kuchinda, ADH, Kuchinda and among the feasible proposal, the proposal satisfying technical parameters and other conditions of ToR shall be awarded the work order.

The agency shall be solely responsible for any cost they may incur for a site visit, transport, faxes, postage, telephones etc. in the process of submission of the proposal. The RMC, Kuchinda reserve the right at its absolute discretion to accept or reject any of the proposals without assigning any reason /reasons.

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Should they require any further information they may contact the Secretary RMC, Kuchinda.

*BBA/Novak*  
*07/01/23*  
Sub-Collector-cum-chairman  
RMC, Kuchinda

Memo No. 616/dtd 10-01-2023

Copy forwarded to the Sub-Collector, Kuchinda/BDO, Kuchinda/PA, ITDA, Kuchinda/Tahsildar, Kuchinda for kind information and wide publication.

Copy to the Notice Board, RMC, Kuchinda for information and wide publication.

*BBA/Novak*  
*07/01/23*  
Sub-Collector-cum-chairman  
RMC, Kuchinda

Memo No. 617/dtd 10-01-2023

Copy forwarded to the Editor, the Dharitri/Dinahpi, Oriya Daily for information and wide publication. He is required to publish in the next issue using minimum space limiting to total cost not exceeding Rs,5000/- (Rupees Five thousand) only.

*BBA/Novak*  
*07/01/23*  
Sub-Collector-cum chairman  
RMC, Kuchinda

Memo No. 618/dtd 10-01-2023

Copy Submitted to the Director Agricultural Marketing Odisha Bhubaneswar for the favour of kind information and necessary action

*BBA/Novak*  
*07/01/23*  
Sub-Collector-cum-chairman  
RMC, Kuchinda

Memo No 619/dtd 10-01-2023

Copy to the DIO, NIC, Sambalpur with a request to upload this notice in the District portal ([www.sambalpur.nic.in](http://www.sambalpur.nic.in))

*BBA/Novak*  
*07/01/23*  
Sub-Collector-cum-chairman  
RMC, Kuchinda

## Terms of Reference

### A. Brief description of the work

The Scope of work and supply given herein describes the minimum requirements and guidelines to the Contractor for the complete engineering, supply and procurement of materials and supervision of fabrication, erection, testing, pre-commissioning, and commissioning for 30MT Cold Room along with 5 years of annual maintenance contract under the Kuchinda Chilly Project, Sambalpur, Odisha, India at RMC(Regulated Market Committee) main Market Yard, Kuchinda.

### Important Dates

The RMC,Kuchinda would endeavor to adhere to the following schedule

Sr. No	Parameters	Date & Time
1	Issue of RFQ document	07.01.2023
2	Submission of the Proposal document	14.01.2023
3	Opening of the Proposal document	14.01.2023

### B. Communications

All communications including the submission of the Proposal should be addressed to:

#### **The Chairman,**

Regulated Market Committee, Kuchinda  
At- Kundapost, PO-Kuchinda,  
Near Fire Station, In Front of Forest Park,  
Sambalpur PIN-768222

Telephone No. (06642) 221066  
E-mail: rmc.kuchinda@gmail.com  
Website:

Applicant should submit their proposal in a sealed envelope clearly indicating **“Proposal for supply, installation, commissioning and 5-year maintenance of 30 MT cold room at Main Market Yard , RMC Kuchinda.**

### C. SCOPE OF WORK

**The scope, in brief, will be as follows-**

1. Design, supply, installation & commissioning of Cold Room which includes 3 chambers of 10 MT each Cold room and Thermal Storage Backup.
2. Bidder shall provide engineering documents and the bill of materials prior to the commencement of the work. After successful commissioning and proper handing over, a two-year onsite warranty for manufacturing defects shall be required for each of the systems.
3. A layout plan of the site clearly indicating the required area for installation of the Refrigeration System, Thermal Storage Backup, Cold Storage Room, Structures, and other components with necessary civil works shall have to be submitted. Work orders shall be issued only after receipt of satisfactory reports suitable for system installation.
4. Bidder to provide details and requirements of civil foundation with load calculation for the setup of the cold room.
5. Bidder to ensure supply of all electrical, instrument, insulation, and mechanical item for the proper execution of the work. Any requirement during erection and commission should be taken care of without any time or cost implications.
6. Bidder to provide a detailed planning schedule for time-bound smooth execution of the project.
7. The installation of the Cold room has to be completed within 30 (Thirty) days of receiving of work order by the party.
8. Bidder to provide User Manuals and Warranty Cards to the beneficiary.
9. On-site warranty for manufacturing defects for 2 (two) years of faultless operation and assure inventory for maintenance.
10. The Bidder must furnish the periodic maintenance plan under the 5-year Annual maintenance contract (AMC). The cost of Spares required for maintenance and repair of the system post-warranty period (after 2 years of commissioning) shall be born by the user.
11. Providing Prompt Service Facilities to the customers/ beneficiaries.
12. Risk liability of all personnel associated with the implementation and realization of the project lies with the bidder.
13. Bidder to provide training of at least 2 (two) persons nominated by the user, on the various aspects of design and maintenance of the offered system after commissioning of the system.
14. Bidder shall maintain sufficient inventory of the spares to ensure that the system can be made functional within 3 (Three) days from the communication of the breakdown of the system during the warranty period.
15. The contractor shall run the system on a trial basis and shall closely monitor the performance of the system before handing it over.
16. Performance Guarantee Test: Successful performance guarantee test to demonstrate the rated capacity of the Cold Room as per norms shall have to be conducted in presence of representatives of PMU and RMC if required.
17. The company has to do a post-harvest management training session for the beneficiary

wherein they need to assist them with how to use the product and how to maintain and service the cold room.

18. Bidder to specify any requirement from the client before the start of execution, installation, and commissioning of the project. Any requirement mentioned after the award of the contract needs to be taken care of by the Bidder without any time and cost installation.

**D. TECHNICAL SPECIFICATIONS:**

The cold storage unit runs on grid electricity and is net metered on the grid solar system.

Items	Specifications
Total number of chambers with independent doors and temperature setpoint controller for each chamber	3 nos. with individual door and setpoint temperature controllers. Dimension of Each chamber (15' x 10' x 10')
Overall storage capacity	30 MT total 4500 CFT (cubic feet)
Temperature range	3 – 10 °C
PUF panels for vertical walls & ceiling	Minimum 80±2 mm thick Polyurethane Foam of density 40±2 kg/m <sup>3</sup> and 0.4mm PPGI sheet on both sides
Flooring	Minimum 60±2 mm thick Polyurethane Foam (PUF) of density 40±2 kg/m <sup>3</sup> , 9 mm marine grade plywood on both sides of PUF and 1 mm Aluminium chequered sheet on the top
Door type	2 nos. of minimum Opening of 6 feet Height x 3 feet Width. 100 mm thick Polyurethane Foam with a density of 40±2 kg/m <sup>3</sup> , and 0.4mm PPGI sheets on both sides. Inbuilt lock with the door.
Door curtain	PVC curtain before the door
Humidifier	1 nos. of humidifier with 6 LPH capacity
Refrigerant	R407c / R404a
<b>Cooling units</b>	
Condensing units	Air-cooled aluminium fin and copper tube type heat exchanger, ZB45 scroll compressor(Make Denso/Copeland Emerson)
Evaporator units	2 nos. of copper tube and aluminium fin evaporator with axial fans providing minimum 4500 CFM airflow; MOC - SS304 outer body Each chamber shall have 3 x 350mm fans with airflow of a minimum of 1500 CFM through each fan
Axial fan for condensing and evaporating unit	Brushless type
Thermal Storage Medium	Water
Cooling Storage capacity	250MJ

Thermal storage capacity indication	Linear with minimum 5 graduations between maximum and minimum cooling storage capacity
Remote monitoring for each chamber	GPRS-based, viewable on a web page, indicating cold storage temperature, ambient temperature, thermal storage capacity and compressor ON/OFF, electric battery voltage
Inverter	3 kVA Sine Wave UPS, 60VDC for internal external load
Safety Release Knob	Safety release Knob with buzzer placed at the inner side of the door for safety precautions.
Electrical Supply	3 phase 15 KVA; Minimum 10 to 12 hours of grid electricity required in 24 hours period to maintain cooling backup
Battery type and capacity	Lead Acid C10 Tubular Type with minimum 60 months of OEM warranty (Make – Amaron / Okaya / Exide / Luminous)
Warranty	The entire system shall be provided with an on-site warranty of a minimum of 2 years. Required spares for trouble-free operation during the warranty period shall be provided along with the system.

#### E. Layout

The Tentative layout for the cold storage is 30 feet x 15 feet in length and breadth of area. The height needs to be adjusted to accommodate the 1500 cubic feet volume for each chamber.

#### F. Selection Criteria

1. The selection will be done in a 2-stage process. The applicants are requested to quote the Tender in a sealed envelope i.e. **Technical bid** indicating prerequisites as per specimen at Annexure-I (A, B & C) and **Price bid** as per specimen at Annexure-II. The sealed envelopes shall be **super scribed** as i.e. **Technical Bid** and **Price Bid**. Such two separate envelopes are to be submitted in one single sealed cover super scribed with the tender reference number and deposited in the tender box kept in the office of **The Chairman, Regulated Market Committee, Kuchinda** on or before the last date of receipt of the Tender
2. Information relating to the evaluation of bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process.
3. Any effort by a Bidder to influence the Purchaser in the evaluation or contract award decisions may result in the rejection of its Bid.
4. Deviation to the above clause from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.
5. The Project will be awarded to the Bidder, who submits a responsive Bid, meets the minimum technical criteria for undertaking the Project and offers to enter into an Operation Agreement on the best financial terms.

6. The Technical Proposals will undergo evaluation as per the criteria and process specified and would be assigned a score. The Bidders whose technical proposal meets the minimum threshold score shall be considered for financial evaluation. The Authority reserve the right to reject the Proposals, which do not meet the technical parameters stipulated.
7. For financial evaluation, the total cost indicated in the Financial Proposal, will be considered.
8. Proposals will finally be ranked according to their financial quote. The proposal with the lowest cost will be placed in the highest rank.
9. The Selected Applicant shall be the Applicant having the highest score. The second highest Applicant shall be kept in reserve and may be invited at its discretion for negotiations in case the first-ranked Applicant withdraws, or fails to comply with the requirements specified herein, as the case may be.
10. The Purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

The Bidders will be evaluated against a total score of 100 by the evaluation committee. The distribution of the score will be as follows:

<b>Criteria</b>	<b>Marks</b>
At least 5 nos of cold rooms installed in Odisha in last 3 financial year	15
Presence of a Technical support team in Odisha to provide after-sale support services	20
Revenue for the financial year April 2021 – March 2022 shall be a minimum of 5 crores INR	15
Minimum two installations of cold storage from April 2020 to March 2022 having a minimum 600 MJ 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. Or Minimum three installations of cold storage from April 2020 to March 2022 having a minimum 400 MJ 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
Approach and methodology for implementation of the project with timelines and meeting technology specifications along with AMC plan	20
Recognition for the firm and technology by Government of India agencies	10

Any Applicant who achieves a score of 80 and above against the total marks of 100 will be deemed to be qualified for the technical capability criteria and are eligible for financial opening of the bids.

#### **Evaluation of Financial Proposal:**

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

### **G. Terms of Payment**

#### **Capex (Cost of Installation of Cold room)**

For the CAPEX part, the payment schedule is tabulated below:

Acceptance of PO	25%
Inspection clearance by the client at the Factory and Dispatch of material to the site	25%
Receipt of material at Site	25%
Erection, Commissioning, training, and final handover to the client	25%

#### **Opex (Cost of AMC for 5 Years)**

The total AMC expense as quoted by the successful Bidder will be divided into 10 parts and each part will be released after the successful completion of AMC activities every six months.

The penalty will be deducted for the delay in support service. After the receipt of the query via mail the query needs to be resolved within the next 3 days, without which 10% AMC fees shall be deducted for that part of the scheduled AMC payment.

Statutory Auditors, certify that the above information is correct.

Signature and Seal of  
Chartered Accountants/Statutory Auditors

Annexure 2

**Financial Bid (to be submitted on the firm's letterhead)**

Sl. No.	Brief Description of Goods	Capex Cost including Transportation (a)	Taxes (b)	Annual Maintenance For 5 years (c)	Taxes (d)	Total Price = (a+b+c+d)

Total Tender price in Rupees \_\_\_\_\_

In words: \_\_\_\_\_

Place:

Name:

Date:

Business Address:

Signature of Bidder: