

Tender No.: KVK/NBHM/01/3517

Issued on: June 26, 2025

Last Date and Time for Submission of Tender: July 10, 2025, 15:00 Hrs

ICAR-VIRENDRA KUMAR SINGH KRISHI VIGYAN KENDRA

DHAURA (MOHAN-MALIHABAD ROAD), UNNAO, UP- 209881

Tender for Procurement of Honey Bee Processing Equipment

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1. Notice Inviting Tender (NIT)

The KVK, Unnao under the ICAR, invites sealed tenders from eligible and qualified manufacturers/suppliers Empaneled for the supply, installation, and commissioning of honey processing equipment as specified in this tender document.

The tender details are as follows:

- **Tender Reference Number:** KVK/NBHM/01/3517
- **Date of Issue of Tender:** June 26, 2025
- **Name of the Work:** Tender for Procurement of Honey Processing Equipment
- **Last Date and Time for Submission of Tender:** July 10, 2025, 15:00 Hrs
- **Date of Opening of Technical Bids:** July 10, 2025, 16:00 Hrs
- **Date of Opening of Financial Bids:** July 10, 2025, 16:30 Hrs
- **Venue of Opening of Bids:** Training Hall, VKS Krishi Vigyan Kendra, Unnao
- **Earnest Money Deposit (EMD):** Rs. 1,00,000.00 (Rupees One Lakh Only) in the form of a Demand Draft/Bank Guarantee drawn in favor of **V.K.S. Krishi Vigyan Kendra**, payable at Unnao/EMD exemption for MSME.
- **Contact Person:** Senior Scientist & Head, KVK Unnao (Office – 9452239313)
- **Email:** kvkunnao@gmail.com
- **Website:** <https://unnao.kvk4.in/>

KVK, Unnao reserves the right to cancel the tender at any time or amend/withdraw any of the terms and conditions contained in the Bid Document without assigning any reason thereof.

2. Instructions to Bidders

2.1 Cost of Bidding: The bidder shall bear all costs associated with the preparation and submission of its bid, and KVK, Unnao shall not be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.

2.2 Examination of Tender Document: The bidder is expected to examine all instructions, forms, terms, and specifications in this tender document. Failure to furnish all information required by the tender document or submission of a bid not substantially responsive to the tender document in every respect will be at the bidder's risk and may result in the rejection of its bid.

2.3 Language of Bid: The bid and all accompanying documents shall be in the English language. If any accompanying documents are in another language, they shall be accompanied by an English translation. The English version shall prevail in matters of interpretation.

2.4 Preparation of Bids:

- The bid shall be prepared in two parts: the Technical Bid and the Financial Bid.
- Both bids shall be submitted in separate sealed envelopes, clearly marked "Technical Bid" and "Financial Bid". These two envelopes shall then be placed in a single outer envelope, clearly marked "Tender for Procurement of Honey Processing Equipment".
- The Technical Bid shall include all the documents and information as specified in Clause 3 (Eligibility Criteria) and Clause 4 (Technical Specifications).
- The Financial Bid shall include the price schedule as per the format provided in Annexure VIII.
- All pages of the bid shall be signed and stamped by an authorized representative of the bidder. The bidder shall submit a copy of the authorization.
- The bid shall contain no alterations, omissions, or additions, except those to comply with instructions issued by the Purchaser or those necessary to correct errors made by the bidder, in which case such corrections shall be initialed/signed by the person signing the bid.

2.5 Earnest Money Deposit (EMD):

- The bidder shall furnish, as part of its bid, an Earnest Money Deposit (EMD) of Rs. 1000000.00 (rupees One Lakh Rupees) in the form of a demand draft /Bank Guarantee drawn in favor of head, KVK, unnao, Payable at Unnao.
- The EMD shall remain valid for a period of 180 days beyond the final bid validity period.
- Bids not accompanied by an acceptable EMD shall be rejected.
- EMD shall be forfeited if the bidder withdraws its bid during the period of bid validity.
- The EMD of unsuccessful bidders will be refunded.
- MSME EMD exemption.

2.6 Bid Validity: Bids shall remain valid for a period of 180 days from the last date of submission of bids.

2.7 Submission of Bids:

- Bids shall be submitted in sealed envelopes, either by registered post/speed post or by hand delivery, to the address specified in the NIT.
- The envelope shall bear the name of the tender, the tender number, and the name and address of the bidder.
- Bids sent by fax or email shall not be accepted.
- Late bids shall be rejected.

2.8 Opening of Bids:

- The KVK, Unnao shall open the technical bids in the presence of bidders or their authorized representatives who choose to attend, at the time, date, and venue specified in the NIT.
- The financial bids of only those bidders who qualify in the technical bid evaluation shall be opened. The date, time, and venue for opening the financial bids shall be communicated to the technically qualified bidders.

2.9 Evaluation of Bids:

- The KVK, Unnao shall evaluate the technical bids to determine whether they are

substantially responsive to the requirements of the tender document.

- The financial bids of technically qualified bidders shall be evaluated to determine the lowest evaluated bid.
- The KVK, Unnao reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders.

2.10 Award of Contract:

- The KVK, Unnao shall award the contract to the successful bidder whose bid has been determined to be the lowest evaluated bid and who has the capability and resources to perform the contract satisfactorily.
- The successful bidder shall be required to sign a contract agreement with the KVK, Unnao within 15 days of the award of the contract.

2.11 Performance Security:

- The successful bidder shall furnish a Performance Security in the form of a Bank Guarantee from a nationalized bank, in favor of **VKS Krishi Vigyan Kendra**, for an amount equal to 5% of the contract value, within 15 days of the award of the contract.
- The Performance Security shall remain valid for a period of 60 days beyond the date of completion of all contractual obligations, including warranty obligations.
- The Performance Security shall be forfeited if the successful bidder fails to sign the contract agreement or fails to perform its contractual obligations.

2.12 Fraud and Corruption:

- The KVK, Unnao requires that bidders observe the highest standard of ethics during the procurement process and execution of contracts.
- The KVK, Unnao shall reject a bid if it determines that the bidder has engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the contract.

3. Eligibility Criteria

The bidder must fulfill the following eligibility criteria:

- The rate quoted by the bidder should cover installation, commissioning, transportation, GST, and any other incidental charges.
- The audited average annual turnover of the manufacturer for the last three (3) financial years should not be less than Rs. 3.00 crores.
- The bidder should have experience of having successfully completed a minimum of 02 Honey processing plants of capacity 1 TPD or higher in Central Govt./State Govt./Govt. Undertakings/Pvt. Organizations during the last 3 years.
- Only manufacturers can quote, and they will provide sufficient training to staff to run the machinery/equipment for the first season.
- The bidder will provide a copy of Income Tax Statements for the last three years.
- The bidder will provide a copy of the Firm's registration certificate.
- MSME (UDYAM) certificate must be attached for EMD exemption claim.
- The bidder must have PAN/TIN/GST No. Copies of these are to be submitted along with the tender.
- The bidder should be registered and in operation for at least five years.
- The company should have an ISO 9001:2015 Certificate.
- The bidder should submit a declaration which may prove that the bidder has never been blacklisted/barred/EMD Forfeited by any Institute/Govt. Dept./Authority, nor has any Govt. Institute forfeited its EMD/Security.

4. Technical Specifications

- **Technical Specifications:** The technical specifications as mentioned in the tender will be strictly adhered to; any deviation from tender technical specifications will make the tenderer liable for rejection.
- **Site inspection report:** The bidder must visit the machine installation site before participating in the bid and must upload a Site Inspection Report duly signed by the concerned official, along with geo-tagged photographs and a plan layout for positioning machines in order of working/installation.
- Detailed technical write-up highlighting the model Name/Number, features of the equipment offered, and/or technical literature & Drawings, etc.
- Plant/Unit Layout and details of floor requirements must be supplied along with the tender.
- The L1 bidder should supply all the equipment with complete installation, civil/electrical work, etc., within 90 days from the date of the award of the contract.
- After the award of work, the bidder has to take up comprehensive repair and maintenance of the Integrated Development of Beekeeping including development/ setting up of infrastructural facilities under the National Beekeeping and Honey Mission (NBHM) at KVK, Unnao (U.P.) during the warranty period of 01 years with a minimum of two preventive services per year, routine checks as per the requirement of machinery, and on-call repairs.

List of Items Required with Details under Tender

I. Honey Bee Processing Unit (20 MT)

A. **Infrastructure (Not Applicable)**

B. **Machinery**

1. **Automatic Honey Processing Plant, 27 KW (Required Qty. 01)**

Specifications:

- Power Consumption: Approx. 27 kW
- Capacity: 300-500 kg/h
- Material: Food-grade SS304
- Integrated Units: Warming, filtration, moisture reduction, settling
- Control: Central panel with thermostat & automation

Use : Commercial honey processing at scale, ensures hygiene, quality & energy efficiency.

2. **Honey Bottling Machine (Manual/ Semi Automatic) (Required Qty. 01)**

Specifications:

- Capacity: 200-500 jars/hr
- Fill Range: 100g-1kg
- Material: SS304 food-grade
- Mechanism: Piston/gravity filler, foot-pedal or semi-auto

Use: Efficient, hygienic bottling of honey in various jar sizes.

3. **Bottle Capping Machine (Required Qty. 01)**

Specifications:

- Cap Type: Lug or screw
- Output: 10-20 bottles/min
- Construction: SS with torque adjust
- Operation: Manual/semi-auto

Use: Secure sealing of jars ensuring shelf life and tamper-evidence.

4. **Bee Venom Collection Kit (Required Qty. 100)**

Specifications:

- Frame: Wire mesh + glass
- Power : 12V low current pulse
- Safety: No harm to bees

Use: Collect apitoxin for medical/pharma use.

5. Royal Jelly Extraction Kit (Required Qty. 100)

Specifications:

- Includes: Grafting tools, queen cups, suction extractor
- Storage: Food-safe vials

Use: Harvest high-value royal jelly for resale or research.

6. Pollen Trap (Required Qty. 1000)

Specifications:

- Design: Mesh grid with drawer
- Material: Plastic or wood
- Size: Standard hive entrance fit

Use: Collect bee pollen for resale while allowing colony use.

7. Wax Processing Tank (Melting/Clarifying) (Required Qty. 10)

Specifications:

- Capacity: 50-100 kg
- Material: SS with jacketed heating
- Control: Thermostat (65-85°C)

Use: Clean melting & clarification of beeswax post-extraction.

8. Solar Wax Melter (Required Qty. 10)

Specifications:

- Size: 60x60 cm approx.
- Components: Glass lid, metal tray, collector pan
- Energy: Solar heat

Use: Low-cost beeswax melting using sunlight for rural areas.

9. Wax Press (Capping Press) (Required Qty. 10)

Specifications:

- Capacity: 10-20 kg batch

- Mechanism: Manual screw/hydraulic
- Basket: SS perforated chamber

Use: Extract honey from wax capping, maximize yield.

10. SS Honey Storage Tank (Required Qty. 100)

Specifications:

- Capacity: 500 to 1000 liters
- Material: SS304 with smooth finish
- Features: Airtight lid, bottom valve, optional heater

Use: Bulk storage of processed honey before bottling/shipping.

11. Honey Strainers and Filters (SS) (Required Qty. 10)

Specifications:

- Dual Mesh: Coarse (1-2mm) & fine (200-500 micron)
Material: SS304
- Features: Removable, stackable sieves

Use : Filter out wax and debris post extraction, ensures clarity.

12. Food Grade Plastic Drums 200LT (Required Qty. 100)

Specifications:

- Capacity: 200 liters
- Material: HDPE food-grade
- Design: Wide-mouth, lid with locking ring

Use: Bulk honey or syrup storage & transport, durable & stackable.

13. GMO Square Honey Glass Jars (Retail Packaging)

Specifications:

- Sizes: 25g, 50g, 100g, 250g, 500g, 1kg
- Material: Food-safe glass
- Closure: Lug/screw cap with seal button

Use: Consumer-ready attractive packaging for retail honey.

14. Pickup Van (Not Applicable)

15. Automatic Honey Comb Foundation Sheets Fabrication Machine (Required Qty. 01)

Specifications:

- Capacity/Output: 18-25 kg/hr
- Operation: Semi/Full Automatic rolling mill
- Cell Sizes: Apis cerana / mellifera configurable
- Material: Engraved metal rollers

Use: Create embossed beeswax foundation for structured comb.

16. Comb Foundation Mill (Apismillifera) Computerized (Required Qty. 01)

Specifications:

- Operation: Manual/auto rolling mill
- Cell Sizes: Apis cerana / mellifera configurable
- Material: Engraved metal rollers

Use: Create embossed beeswax foundation for structured comb.

17. Comb Foundation Mill (Apis Cerana) Computerized (Required Qty. 01)

Specifications:

- Operation: Manual/auto rolling mill
- Cell Sizes: Apis cerana / mellifera configurable
- Material: Engraved metal rollers

Use: Create embossed beeswax foundation for structured comb.

18. Vehicle Hiring Charges Specifications: Not applicable.

Extra: Demo kits, manuals

Use: Conduct hands-on training for beekeepers, workshops, and awareness.

II. Establishment of Quality Nucleus Stock Development Centre Unit

1. Bee hives with Bee Colonies/Frames (Required Qty. 350)

Specifications:

- Type: Langstroth or local model
- Material: Wood (treated) or plastic
- Accessories: Frames, queen excluder, covers

Use: Structured modern housing for managed bee colonies.

2. Beehive stand (Required Qty. 200)

Specifications:

- Includes: Hive stand, tools
- Material: SS/plastic/wood

Use: Managing hive health & operations.

3. Bee Feeder (Required Qty. 200)

Specifications:

- Includes: Hive feeders, tools
- Material: SS/plastic/wood

Use: Managing hive health & operations.

4. Queen Excluder (Required Qty. 200)

Specifications:

- Includes: Queen excluder, tools
- Material: SS/plastic/wood

Use : Managing hive health & operations.

5. Bee Veil/Suit (Required Qty. 50)

Specifications:

- Bee Suits: Cotton/poly-cotton, mesh veil

Use: Ensure safety and ease during hive inspections.

6. Gloves (Required Qty. 50)

Specifications:

- Gloves: Leather + cotton sleeves
- Use: Ensure safety and ease during hive inspections.

7. Hive Tools with Brush and Smokers (Required Qty. 10)

Specifications:

- Tools: Complete Hive tool kit, brush, smoker
- Use: Ensure safety and ease during hive inspections.

8. Honey Extractor (6 Frame) Hand Operated (Required Qty. 10)

Specifications:

- Material: SS Drum and Crank
- Operation: Manual Centrifugal, Radial/Tangential
- Features: Transparent Lid, Stable Stand
- Capacity: 6 frames

9. Honey Extractor (10 Frame) Hand Operated (Required Qty. 10)

Specifications:

- Material: SS Drum and Crank
- Operation: Manual Centrifugal, Radial/Tangential
- Features: Transparent Lid, Stable Stand
- Capacity: 10 frames

10. Honey Tray (2' x 2') Stainless Steel (Required Qty. 10)

Specifications:

- Capacity: (2' x 2') Material: SS

11. Honey Strainers Stainless Steel (Required Qty. 10)

Specifications:

- Dual Mesh: Coarse (1-2mm) & fine (200-500 micron)
- Material: SS304
- Features: Removable, stackable sieves

Use : Filter out wax and debris post extraction, ensures clarity.

5. Scope of Work

The selected agency shall be responsible for the supply, installation, and commissioning of the honey processing and beekeeping equipment as per the specifications provided in this tender document. The scope of work shall include but not be limited to the following:

- Supply of all specified honey processing and beekeeping equipment.
- Transportation of the equipment to the designated site(s).
- Installation and commissioning of all equipment as per the manufacturer's specifications and relevant standards.
- Providing all necessary tools, tackles, and manpower for installation and commissioning.
- Ensuring proper functioning of the equipment after commissioning.
- Providing comprehensive training to the client's personnel on the operation, maintenance, and troubleshooting of the equipment.
- Providing necessary technical support during the warranty period.
- Compliance with all safety regulations during supply, installation, and commissioning.
- Any other related services as deemed necessary for the successful completion of the project.

6. Payment Terms

Payment shall be made to the selected bidder as per the following schedule:

- 50% Advance along with Purchase Order of the equipment at the designated site(s).
- 50% of the contract price upon delivery of the equipment and successful installation and commissioning of the equipment.

7. Liquidated Damages

If the bidder fails to deliver and install the equipment within the delivery period specified in the contract, the KVK, Unnao shall be entitled to recover liquidated damages from the bidder at the rate of 0.5% of the contract price per week or part thereof, subject to a maximum of 10% of the contract price.

8. Force Majeure

Neither party shall be liable for any failure to perform its obligations under this contract if the failure is due to Force Majeure, which shall mean events beyond the reasonable control of the party affected, including but not limited to acts of God, war, riots, fire, flood, or strikes.

9. Arbitration

Any dispute arising out of or relating to this contract shall be settled by arbitration in accordance with the [Arbitration and Conciliation Act, 1996, or other applicable law]. The place of arbitration shall be Unnao (U.P.). The appointing authority shall be the KVK, Unnao.

10. Annexures

The following annexures form an integral part of this tender document:

- Annexure I: Form of Technical Bid Submission Letter
- Annexure II: Information on Bidder's Organization
- Annexure III: Bidder's Authorization Certificate
- Annexure IV: Performa for Affidavit
- Annexure V: Similar Nature of Work Experience/Contracts
- Annexure VI: Financial Information of Bidder's Organization
- Annexure VII: Form of Financial Bid Submission Letter
- Annexure VIII: Form of Financial Bid

Annexure I: Form of Technical Bid Submission Letter

(To be submitted on the bidder's letterhead) Date:

To,

[Date]

Senior Scientist & Head

VKS Krishi Vigyan Kendra,

Dhaura, Unnao (UP)-209881

Subject: Submission of Technical Bid for Tender No: [Tender Number] for Procurement of Honey Processing Equipment

Respected Sir,

We, the undersigned, having examined the tender document, including all annexures, hereby submit our technical bid for the above-mentioned tender.

We confirm that we are eligible to participate in this tender and that we have the technical expertise and resources to supply, install, and commission the equipment as per the specifications provided in the tender document.

We have enclosed all the necessary documents as required in the tender document.

We agree to abide by the terms and conditions of the tender document and our bid shall remain valid for a period of 180 days from the last date of submission of bids.

We understand that you are not bound to accept the lowest or any bid you may receive.

We agree to accept the decision of the KVK, Unnao regarding the selection of the successful bidder.

Yours faithfully,

[Signature]

[Name] [Designation]

[Name of the Company] [Seal of the Company]

Information on Bidder's Organization

S.No	Particulars	Details
1.	Name of the Bidder	
2.	Address of the Bidder	
3.	Incorporation status of the Bidder (Company or Firm)	
	(Relevant Certificate to be submitted in Technical Bid)	
4.	Year of Establishment (Copy of firm registration certificate to be submitted)	
5.	Details PAN registration (enclose copy)	
6.	Details GST registration (enclose copy)	
7.	Name and Designation of the contact person to whom all references shall be made regarding this Bid	
8.	Telephone No. (with STD Code)	
9.	E-mail id of the Contact Person	
10.	Fax No. (with STD Code)	
11.	Website (if any)	

Signature of the Authorized Signatory

Name

Designation

Name of the Bidder

Bidder's Authorization Certificate

To,
Senior Scientist & Head,
VKS Krishi Vigyan Kendra
Dhaura, Unnao (UP)-209881

Sub: Tender No: [Tender Number] for Procurement of Honey Processing Equipment for KVK, Unnao, National Beekeeping & Honey Mission (NBHM), and MADHUKRANTI

Ref:

Dear Sir,

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/ firm in dealing with RFP No. _____ dated _____. He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under:

Thanking you,

Name of the Bidder: -

Authorized Signatory: -

Verified Signature:

Seal of the Organization:

Date:

Place:

Note: Please attach the board resolution and valid power of attorney in favor of person signing this authorization letter.

Performa for Affidavit
(on non-judicial stamp paper of Rs. 100/-)

_____Proprietor/Director/Partner of the firm M/s. _____do hereby solemnly affirm that our firm Mis ____has not been blacklisted/debarred by any government organization/PSU/ and there has not been any work cancelled against them for poor performance in the last three years reckoned from the date of invitation of bid.

Signature of the Authorized Signatory Name
Designation
Name of the Bidder

Similar Nature of Work Experience/ Contracts

Details of projects successfully completed by the bidder:

S. No.	Description of Project /	Details and number of	Name of the Client	Contract value (INR)	Contract Period	
	Scope of the work	hardware handled			From	To
1.						
2.						
3						
...						

Note:

- Copies of supporting documents such as Work Order/contracts/LoAs/completion certificate to be attached.

Signature of the Authorized Signatory
Name
Designation
Name of the Bidder

Financial Information of Bidder's Organization

S. No.	Parameters	FY 2021-22	FY 2022-23	FY 2023-24
1	Annual Turnover of the Bidder. (in Rupees).			
Average Turnover				

Note:

- The above information should be submitted along with certificate from the Chartered Accountant (CA) verifying Bidder's financial information as above.
- Copies of the audited balance sheet of the financial years must be attached.

Signature of the Authorized Signatory Name

Designation

Name of the Bidder

Form of Financial Bid Submission Letter

To
Senior Scientist & Head
KVK, Unnao

Sub: Tender No: [Tender Number] for Procurement of Honey Processing Equipment for KVK, Unnao, National
Beekeeping & Honey Mission (NBHM), and MADHUKRANTI

Ref:

Dear Sir,

We, the undersigned bidder, having read & examined in detail, the tender document, I/ we, the undersigned, offer to provide the Services with regard to the contract for the sum of Rs..... (Rupees) excluding of applicable taxes in accordance with the Price quoted as part of Financial Bid attached herewith and made part of this Bid.

I / We undertake that the prices are in conformity with the said Bidding document. The quoted price is inclusive of all cost likely to be incurred for executing this work. The prices are exclusive of applicable taxes i.e. GST as mentioned in the financial bid.

I/ We hereby declare that in case the contract is awarded to us, we shall submit the performance guarantee as prescribed in the bidding document.

I / We agree to abide by this bid for a period of 90 days after the last date fixed for bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period. Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

I/ We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief. We understand that you are not bound to accept the lowest or any bid you may receive. We agree to all the terms & conditions as mentioned in the RFP document and submit that we have not submitted any deviations in this regard.

Yours faithfully,

Signature of the Authorized Signatory
Name
Designation
Name of the Bidder

Form of Financial Bid

S. No.	Name of Machinery/Equipment	QTY.	Cost in INR
1.			
2.			
3.			
4.			
5.			
6.			
	TOTAL COST (Excluding Taxes)		
	TOTAL COST (Including Taxes)		

Note: The duration of the contract may be extended as per the declaration and requirement of the board.

I /We undertake that the rates so quoted shall be fixed and not varied during the contract period.

Signature of the Authorized Signatory Name
Designation
Name of the Bidder