



**ARUNACHAL PRADESH
STATE COUNCIL FOR SCIENCE & TECHNOLOGY
(DEPARTMENT OF SCIENCE & TECHNOLOGY)
GOVERNMENT OF ARUNACHAL PRADESH
ESS-SECTOR, ITANAGAR-791113**

NOTICE INVITING TENDER(NIT)

*“Sealed NITs are invited from the reputed manufacturers/authorized dealers/
suppliers for supply and installation of the Millets Processing Equipment/ Machines
at Dadam Village -792130, Tirap District, Arunachal Pradesh on Turnkey Basis”*

By



**DBT-APSCS&T Centre of Excellence (CoE)
for Bioresources and Sustainable Development
Department of Science & Technology
Government of Arunachal Pradesh
Kamasaki, Kimin, -791121
Arunachal Pradesh**



**DBT-APSCS&T CENTRE OF EXCELLENCE FOR
BIORESOURCES AND SUSTAINABLE DEVELOPMENT
DEPARTMENT OF SCIENCE & TECHNOLOGY
GOVERNMENT OF ARUNACHAL PRADESH
KIMIN, PAPUMPARE DISTRICT
ARUNACHAL PRADESH, 791121**



No- SC (DBT)/ SEED/197/2023-24/761

Dated 29th January, 2025

NOTICE INVITING TENDER

Sealed NITs are invited from the reputed manufacturers / companies / authorized dealers for “Supply and installation of the Millet Processing Equipment/ Machines at Dadam Village, Tirap District, Arunachal Pradesh on Turnkey Basis” as per the technical specification given at Annexure-II. The tenders will be received by the undersigned on or before 14.02.2025 up to **2.00 PM**, along with the tender fees of Rs. 5,000/- (Rupees Five Thousand only) in the form of crossed Demand Draft (DD) drawn in favour of “The Project Director, Centre of Excellence for BRSD” payable at Kimin, along with 2% Earnest Money in the form of DD on the quoted value.

For more details, download of tender documents from <https://apscst.org/>.

This issues with the approval of Competent Authority in APSCS&T.

(Dr. Debajit Mahanta)

Joint Director, APSCS&T & Project Director
DBT-APSCS&T Center of Excellence
for Bioresources and Sustainable Development
Kimin, Papumpare District
Arunachal Pradesh- 791121

Memo No- SC (DBT)/ SEED/197/2023-24/761

Dated 29th January, 2025

Copy to:

1. The SPA to Director Cum Member Secretary, Arunachal Pradesh State Council for Science and Technology (APSCS&T), ESS- Sector, Itanagar for information please.
2. The Scientist-C, DBT-APSCS&T CoE for BRSD, Kimin, Arunachal Pradesh, 791121.
3. Dr. Joram Aku, Scientist-B & PI of the project, DBT-APSCS&T CoE for BRSD, Kimin, Arunachal Pradesh, 791121.
4. The Sr. Accounts Officer, Arunachal Pradesh State Council for Science and Technology, ESS- Sector, Itanagar.
5. The Accounts Officer, DBT-APSCS&T CoE for BRSD, Kimin, Arunachal Pradesh, 791121
6. Notice Board.
7. Office Copy.

(Bamang Megu)

Administrative Officer
DBT-APSCS&T Center of Excellence
for Bioresources and Sustainable Development
Kimin, Papumpare District
Arunachal Pradesh- 791121

Terms and Conditions

1. The tender fee of Rs. 5,000/- (Rupees Five Thousand only) in favour of the “The Project Director, Centre of Excellence for BRSD” payable at Kimin which is non-refundable. Those submitting the quotation by down loading the tender documents must have to submit the quotation fee in the form of DD along with the quotation, **without which the tender will be rejected.**
2. The bidder shall enclose EMD @ 2% of the quoted price in the shape of DD drawn in favour of “The Project Director, Centre of Excellence for BRSD” payable at Kimin. The bids that are not accompanied by the aforesaid bid security will not be accepted. The details of bid security must be provided. The bid security of the unsuccessful bidders will be released after issuing supply to the successful bidder and the bid security of the successful bidder will be released after execution of the order along with the warranty period mentioned as in the bid documents.
3. The quotation shall be sealed and super scribed at the top of sealed cover “*Quotation for Millet Processing Equipment/ Machines at Dadam Village, Tirap District, Arunachal Pradesh*”.
4. Quoted price: To facilitate format evaluation, the bidder shall quote the price of items along with relevant papers for supporting the quoted price such as catalogue, dealership certificate and Co’s printed price list, user list etc. failing which the bid shall be treated as non-responsive at the discretion of the purchaser.
5. The bid submitted to the bidder shall remain valid for a period of 90 (ninety) days. Bid not conforming to this provision shall be treated as non-responsive.
6. To facilitate prompt evaluation, the bidder shall provide Technical Compliance Report (TCR) and price data for each item separately.
7. Quotation must also be submitted in **soft copy in CD/ Pen drive (in Microsoft words only)** in the following format failing which the bid treated as non-responsive, at the discretions of the purchaser. In case of any optional items, pictures should be shown separately. Any discrepancies in the soft copy will be the responsibility of the questioners.

Format:

Name of Item	Brief Specification	Unit Price	GST/Freight Charge if any (FOR Dadam Village, Tirap District, Arunachal Pradesh)	Total
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8. The rate shall be quoted for all duties, taxes and other levies payable by the bidder shall be included in the item rate. GST should be quoted separately (TIN No/GST No. must be furnished).
9. There should not be any overwriting. Corrections, if any, should be made with dated initial of bidder. Bidder shall submit quotation separately in each item.

10. Rates should be quoted clearly both in words and figures separately for each item without which the quotation shall stand rejected.
11. The price quoted shall be fixed and not subject to adjustment/variation during the performance of the contract.
12. The warranty of the items shall be as per the prevailing warranty policy/certificate of manufacturer (where necessary) for the items and warranty period shall not be less than 12 months from the date of commissioning of items at site.
13. The bidder shall furnish the warranty for all the items at the time of delivery and commissioning. The purchaser shall reject the items not enclosed by warranty certificate from their manufacturer. The warranty certificate should be duly signed and sealed.
14. Bidders must supply the items at their own cost. **All machineries/equipment are to be supplied for destination.** Delivery of goods shall have to be completed within 30 (thirty) days from the date of issuing supply order.
15. Installation and commissioning charges, if any, inclusive of expenses of foundation work etc. are to be mentioned separately against each machine. In case of no mention, the same will be considered as inclusive of installation cost whenever applicable.
16. The machineries are to be supplied ready to operate, complete with motor, starter and any necessary gadgets including catalogues, troubleshooting manual etc. without which the same will be considered as incomplete supply.
17. List of spare parts with current price to be required during operation of the machines and addresses of the source of spare parts availability including contact no., e-mail etc. are to be provided in a separate sheet.
18. Price of one set of critical wearable spares that would hamper the working of the machineries/equipment should be mentioned separately against each machine.
19. The supplier shall provide free maintenance services during the period of warranty. Any repair and maintenance including providing of spare parts (covered by manufacturer's warranty certificate) during the warranty period shall be bidder's responsibility. Failing to fulfil the warranty terms will lead to black listing of the bidder and non-refunding of the deposited EMD.
20. **Detailed specification with make, model, size, and code no., catalogue, and name of manufacturer should be furnished. ISO certificate must be furnished for the offer make where applicable.**
21. Attested copies of dealership certificate and Co's printed price list must be enclosed with the quotation.
22. Up-to-date sale Tax clearance certificate and Tax return of last two years duly attested must be submitted along with the quotation. PAN No. must be furnished.
23. All payment shall be made in Indian Rupees only.

24. Where ever the laws and regulations require, deduction of taxes at source of payment, the purchaser shall affect such deduction from the payment due the supplier, the remittance of amounts so deducted and insurance certificate for such deduction shall be made by the purchaser as per the laws and regulation in force.

25. The quotation **will be opened on the day of last date of submission at 2.30 p.m.**in the office of the undersigned. The bidder or his authorized representative may attend the bid opening. Except price, no other details will be announced during the opening.

26. Every page of the bidding documents is to be signed by the bidder including their acceptance of terms and conditions and have to returned with quotation.

27. The undersigned reserves the right to accept or reject any quotation and to cancel the instant bidding process and reject all quotation at any time prior to award of contract, without citing any reasons or incurring any obligations to the bidders on the purchaser's action.

28. The organization will not issue any DSIR/ Custom clearance certificate to the bidder. However, authorization / declaration letter may be issued by the undersigned on request.

29. All the accessories required for full and proper functioning of the equipment should be included with the unit price not as accessories such as Voltage stabilizer, Computer, software, UPS etc.

30. All the equipment's are to be kept in ambient temperature, if the equipment requires any specific environment that should be mention in the technical specification part.

ANNEXURE –I
Format for EMD Details

Sl. No	Sl. No of the item (as per bid document)	Name of the item quoted	Basic price of the item (Excluding taxes and transportation charges)	Price in Indian Rupee (for imported items at the prevailing rate of exchange)	Amount of EMD (2%)	Details of EMD submitted including amount and validity

Format for Technical Compliance Report & Price Data

1. Sl. No of the item (as per bid document)
2. Name of the item:

Sl. No	Specification asked for (strictly as mentioned in bid document)	Specification offered (Corresponding to specification in bid document)	Technical compliance (Yes / No)	Variation if any	Technical literature supporting the technical compliance (Suitably tagged)

FORMAT FOR QUOTATION
(Separate Quotation for individual items to be submitted)

Sl. No	Name of the item (s)	Brief Specification	Unit price	% of GST / Freight charge if any (FOR Dadam Village, Tirap District, Arunachal Pradesh)	Total amount

We agree to supply the above items in accordance with the technical specification mentioned. We also confirm that normal commercial warranty / guarantee of months shall apply to the offered goods.

Quotationer's Name:

Signature

Date:

Seal

Technical Specifications:

Sl. No.	Name of the Item	Qty	Required Specifications
1	Small millet processing machine. Capacity: 100 kg/hour	1	<ul style="list-style-type: none"> • Processing Capacity: 100 kg/hour • Power Requirement: Single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts. • Used for: Dehulling, aspirating, grading, cleaning, and optional polishing to remove husks, clean, grade, and polish grains. • Performance: Dehulling efficiency: 90-95%, Cleaning efficiency: 98%, Breakage rate: <3% • Build Features: Compact design, low power consumption, and adjustable settings for different millet types.
2	Millet De-husker Capacity: 100 kg/hour	1	<ul style="list-style-type: none"> • Processing Capacity: 100 kg/hour • Power Requirement: Single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts • Used for: Removing husks from millet grains with high efficiency. • Performance: Dehulling efficiency: 90-95%, Breakage rate: <3% • Build Features: Compact design, low power consumption, adjustable clearance for processing different millet types. • Additional Points: Easy to operate and maintain, suitable for small-scale farmers or processors, provides consistent grain quality, equipped with a dust collector for a clean working environment.
3	Millet Cleaning machine Capacity: 500kg/ hr	1	<ul style="list-style-type: none"> • Processing Capacity: 500 kg/hour • Power Requirement: Single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts • Used for: Removing impurities such as dust, stones, chaff, and broken grains from millet. • Performance: Cleaning efficiency: 98-99% <p>Key Features:</p> <ul style="list-style-type: none"> • Mechanism: Vibrating screen with adjustable sieves for dust removal and grain separation. • Air Blower: Effectively removes lightweight impurities like husks and chaff. • Adjustable Settings: Customizable for different millet types and impurity levels. • Dust Collection System: Optional dust collector for a clean working environment. • Ease of Operation: Simple controls and easy maintenance for user-friendly operation. <p>Additional Points:</p>

			<ul style="list-style-type: none"> • Customizable to lower capacities (300-400 kg/hour) for optimal performance with single-phase power. • Ideal for small-scale processors, farmer collectives, and rural operations lacking three-phase power. • Ensures minimal grain loss and consistent grain quality.
4	Dehuller cum Pearler machine Capacity:350kg/hr	1	<ul style="list-style-type: none"> • Processing Capacity: 350 kg/hour • Power Requirement: Single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts • Used for: Dehulling and polishing millet grains by removing the outer husk and providing a smooth finish. • Performance: Dehulling efficiency: 90-95%, Pearling efficiency: 85-90% <p>Key Features:</p> <ul style="list-style-type: none"> • Multi-functionality: Combines dehulling and pearling in one machine for efficient processing. • Adjustable Settings: Configurable settings for different millet types and husk thickness. • Air Blower: Removes husks and lightweight particles effectively. • Polishing: Smooths and polishes millet grains, enhancing their marketability. • Compact Design: Suitable for small-scale operations with space constraints. • Ease of Operation: Simple controls and low maintenance requirements. <p>Additional Points:</p> <ul style="list-style-type: none"> • Suitable for processing various small millets such as foxtail, barnyard, and finger millet. • Ensures high-quality output with minimal grain loss. • Ideal for small-scale processors, farmer collectives, and rural operations where three-phase power is unavailable.
5	Weight balance Capacity: 100kg	1	<ul style="list-style-type: none"> • Capacity: 100 kg • Power Requirement: Single-phase electric power, 220V, 50Hz. with inbuild power backup. • Material: Stainless steel platform and metal casing. • Used for: Precisely measuring and displaying the weight of materials such as millet, grains or other items up to 100 kg. • Performance: High accuracy with a tolerance of 0.1-0.5% <p>Key Features:</p> <ul style="list-style-type: none"> • Digital Display: Clear, easy-to-read digital screen showing weight measurements in kg, g units. • Accuracy: Provides precise weight measurements, ideal for processing, packaging or inventory management. • User-Friendly: Simple operation with tare function, automatic zeroing and memory storage for previous weights. • Stainless Steel Platform: Easy to clean and resistant to corrosion. • Built-in Calibration: Allows for easy calibration and adjustment for consistent accuracy.

6	Weight balance Capacity:5kg	1	<ul style="list-style-type: none"> • Capacity: 5 kg • Power Requirement: Single-phase electric power, 220V, 50Hz. with inbuilt power backup. • Material: Stainless steel platform and metal casing. • Used for: Precise manual or digital measurement of small items or materials up to 5 kg. • Performance: High accuracy, typically within 0.1-0.5% tolerance <p>Key Features:</p> <ul style="list-style-type: none"> • Digital Display: Clear, easy-to-read digital screen for accurate measurements in kg, g, or other units. • Tare Function: Allows for zeroing of the scale with containers to measure only the material's weight. • Ease of Use: Simple operation with minimal maintenance required. <p>Additional Points:</p> <ul style="list-style-type: none"> • Ideal for weighing small batches of materials such as spices, herbs, grains or other lightweight products.
7	Packaging machine Bowl and Bag Sealing Machine	2	<ul style="list-style-type: none"> • Capacity: Seals 50-100 bags per minute (12-inch width). • Power: Single-phase 220V, 50Hz. • Material: Mild steel frame, food-grade Teflon-coated sealing area. • Sealing Type: Heat sealing for plastic, polyethylene and laminated bags. • Key Features: • Adjustable temperature control for various materials. • Manual or foot-operated for ease of use. • Compact, space-saving design for small-scale operations. • Durable construction, minimal maintenance required. <p>Additional:</p> <ul style="list-style-type: none"> • Ideal for sealing millet, grains, spices, and other dry products. Suitable for budget-conscious businesses with low power consumption. • Need to Supply 250gm x 500 Nos and 500gm x 500 Nos Package along with the machine.
8	Millet Washer Machine Capacity: 300 kg/ hr. 1 HP	1	<ul style="list-style-type: none"> • Capacity: 300 kg/hour • Power Requirement: 1 HP single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts • Used for: Washing millet grains to remove dirt, dust and other impurities before further processing. • Performance: Efficient washing with minimal water usage, ensuring clean grains ready for dehulling or polishing. <p>Key Features:</p> <ul style="list-style-type: none"> • High Efficiency: Ensures thorough cleaning of millet grains with a gentle washing action to prevent damage. • Adjustable Water Flow: Customizable water usage to suit different millet types and impurity levels. • Vibrating Action: Vibrating system to help separate dust, dirt, and other lightweight impurities from the grains. • Compact Design: Space-efficient, ideal for small to medium-scale operations.

			<ul style="list-style-type: none"> • Durable Construction: Made with high-quality materials for long-lasting performance and reliability. • Ease of Operation: Simple controls, low maintenance and easy to clean after use.
9	Tray dryer Capacity: 100 kg	1	<ul style="list-style-type: none"> • Capacity: 100 kg • Power Requirement: Single-phase electric power, 220V, 50Hz • Material: Food-grade stainless steel trays, mild steel for the body • Used for: Drying millet, grains by removing moisture to improve shelf life and quality. • Performance: Ensures uniform drying with low energy consumption and minimal product loss. <p>Key Features:</p> <ul style="list-style-type: none"> • Multi-Tray Design: Multiple trays for batch drying, allowing for efficient drying of large quantities in a single operation. • Temperature Control: Adjustable temperature settings to suit different drying needs and product types. • Even Airflow: Equipped with a fan or natural airflow system for uniform heat distribution, ensuring consistent drying across all trays. • Digital Controls: Easy-to-use control panel for temperature, time, and airflow adjustments. • Compact Design: Suitable for small to medium-scale operations, with space-saving design. <p>Additional Points:</p> <ul style="list-style-type: none"> • Low power consumption, designed for single-phase power supply, making it suitable for rural or small-scale operations.
10	Millet Roaster Capacity: 150-200 kg/hr 1HP	1	<ul style="list-style-type: none"> • Capacity: 150-200 kg/hour • Power Requirement: 1 HP single-phase electric motor, 220V, 50Hz • Material: Food-grade stainless steel for contact parts, mild steel for non-contact parts • Used for: Roasting millet grains for improved flavour, texture and shelf life. • Performance: Ensures consistent roasting with minimal product loss, enhancing the quality of millet. <p>Key Features:</p> <ul style="list-style-type: none"> • Even Heat Distribution: Equipped with a heating system for uniform roasting, preventing over-roasting or burning. • Adjustable Temperature Control: Customizable temperature settings to suit different millet types and desired roast levels. • Compact and Efficient: Designed for small to medium-scale operations with a focus on energy efficiency. • Durable Construction: Built with high-quality materials for long-lasting performance and reliability. • Easy to Operate: Simple controls for temperature and time management, with automatic shut-off for safety. <p>Additional Points:</p> <ul style="list-style-type: none"> • Ideal for roasting small batches of millet for snacks, cereals or other value-added products.

			<ul style="list-style-type: none"> • Helps in enhancing the aroma and taste of millet, making it more appealing to consumers. • Low power consumption with single-phase electrical requirements, suitable for small-scale processing operations.
11	Pulveriser cum sieving machine Capacity: 100 kg/ hr 2 HP	1	<ul style="list-style-type: none"> • Capacity: 100 kg/hour • Power Requirement: 2 HP single-phase electric motor, 220V, 50Hz • Material: Stainless steel for contact parts, mild steel for non-contact parts • Used for: Pulverizing and sieving millet and other grains or spices into fine powders or particles, ensuring consistency in texture. • Performance: Provides high-efficiency grinding and sieving, producing finely ground material with minimal waste. <p>Key Features:</p> <ul style="list-style-type: none"> • Multi-Functionality: Combines pulverizing and sieving functions in one machine for continuous and efficient processing. • Adjustable Sieving: Customizable sieving mesh to control the fineness of the output. • High-Efficiency Grinding: Provides uniform particle size for consistent quality in products like millet flour or powdered spices. • Stainless Steel Construction: Durable and hygienic, ideal for food-grade applications. • Easy Operation: Simple controls for both grinding and sieving functions, with automatic or manual feeding options. • Low Maintenance: Easy to clean and maintain, with minimal downtime. • Low power consumption, making it suitable for rural and small-scale processing units.
12	Oven Capacity :50kg-250kg/hour	1	<ul style="list-style-type: none"> • Capacity: 50 kg to 250 kg/hour • Power Requirement: Single-phase electric power, 220V, 50Hz • Material: Stainless steel for the internal chamber, mild steel or durable materials for the exterior • Used for: Baking, drying, or heating various food products like millet, grains, snacks, or other agricultural products. • Tray: 8 Nos of Stainless-steel Tray with adjustable height adjustment. • Performance: Provides uniform heat distribution for consistent results with minimal product loss. <p>Key Features:</p> <ul style="list-style-type: none"> • Adjustable Temperature Control: Customizable temperature settings to suit different products and processes (ranging from 50°C to 350°C). • Even Heat Distribution: Equipped with fans and heating elements to ensure uniform temperature across the oven chamber. • Energy Efficiency: Designed to minimize energy consumption while maintaining optimal baking or drying temperatures.

			<ul style="list-style-type: none"> • Digital Control Panel: Easy-to-use control panel for precise temperature and time management. • Durable Construction: Made with food-grade stainless steel and high-quality insulation to maintain heat effectively. • Compact and Space-Efficient: Suitable for small to medium-scale operations, with a design that saves on space without compromising capacity. <p>Additional Points:</p> <ul style="list-style-type: none"> • Ideal for baking or drying millet, grains, snacks, or other food products in small to medium-scale production. • Helps in reducing moisture content or enhancing flavour, texture and shelf life of the products. • Low power consumption, making it suitable for small-scale operations with single-phase power requirements.
13	Noodle machines Hand operated, Capacity: 250kg/hour	2	<ul style="list-style-type: none"> • Capacity: 250 kg/hour • Material: Stainless steel for food-contact parts, mild steel for the body • Used for: Producing noodles from dough, ideal for small to medium-scale noodle production. • Performance: Efficient noodle making with consistent results, producing uniform noodles in various thicknesses. <p>Key Features:</p> <ul style="list-style-type: none"> • Manual Operation: Hand-operated, an ideal solution for small-scale operations. • Adjustable Thickness: Customizable noodle thickness to suit different production needs. • High Capacity: Capable of producing up to 250 kg of noodles per hour, suitable for medium-scale production. • Durable Construction: Made from high-quality stainless steel for long-lasting performance and food safety. • Simple Operation: Easy to use with minimal maintenance required. • Space-Efficient: Compact design perfect for small-scale kitchens, food processing units, or home-based businesses. <p>Additional Points:</p> <ul style="list-style-type: none"> • Ideal for making fresh noodles from various types of millets. • Low operational and maintenance costs due to its hand-operated nature.


(Dr. Debajit Mahanta)

Joint Director, APSCS&T & Project Director
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