



NUTRIHUB-TECHNOLOGY BUSINESS INCUBATOR (NIELAN)
ICAR-INDIAN INSTITUTE OF MILLETS RESEARCH
Rajendranagar, Hyderabad-500030
Phone: 040-24599331, Fax: 040-24599304
www.millet.res.in and www.nutrihub-tbi-iimr.org

F. No.TBI/T044/Nielan/2018-19/

Dated: 24-01-2019

NOTICE INVITING TENDER THROUGH E-PROCUREMENT

Online Bids are invited from the interested bidders under two bid system for supply, installation, commissioning, testing and calibration of BAKING LINE SUITABLE FOR BAKING OF MILLET FOODS WITH CAPACITY OF 100 KG TO 120 KG PER HOUR (Baking line A) AND MIXING, SHEETING, CUP CAKE DROPPING MACHINES SUITABLE FOR BAKING OF MILLET FOODS AND ITS NECESSARY ACCESSORIES (Baking line B). at Indian Institute of Millets Research, (IIMR), Rajendranagar; Hyderabad for NIELAN-TBI. Manual bids shall not be entertained at all.

Tender documents may be downloaded from e-Procurement website of CPPP <https://eprocure.gov.in/eprocure/app> as per the schedule as given in CRITICAL DATE SHEET as under:

CRITICAL DATE SHEET

Tender No.	No.TBI/T044/Nielan/2018-19/
Date and Time for issued /Publishing	25-01-2019 9.00 AM
Document Download/Sale Start Date and Time	25-01-2019 10.00 AM
Bid Submission Start Date and Time	25-01-2019 10.00 AM
Bid Submission End Date and Time	14-02-2019 1.00 PM
Date and Time for Opening of Bids	15-02-2019 2.00 PM
Address for Communication	Chief Executive Officer, NUTRIHUB-TBI(NIELAN), ICAR - Indian Institute of Millets Research, (IIMR), Rajendranagar; Hyderabad-500030,

Chief Executive Officer
NIELAN-TBI

Annexure –I

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The tender form/bidding documents may be downloaded from the website: <https://eprocure.gov.in/eprocure/app>. Online submission of Bids through Central Public Procurement Portal (<https://eprocure.gov.in/eprocure/app>) is mandatory. Manual/Offline bids shall not be accepted under any circumstances.
2. Tenderers/bidders are requested to visit the website <https://eprocure.gov.in/eprocure/app> regularly. Any changes/modifications in tender enquiry will be intimated by corrigendum through this website only.
3. In case, any holiday is declared by the Government on the day of opening, the tenders will be opened on the next working day at the same time. This institute reserves the right to accept or reject any or all the tenders.
4. The interested Firms are required to deposit (in original) Tender Fee of Rs.300/- (Non-refundable) and EMD in the form of Demand Draft (or) Bank Guarantee prepared in favour of “NIELAN” account payable at Hyderabad may be addressed to the Chief Executive Officer, NIELAN-Technology Business Incubator, Indian Institute of Millets Research, (IIMR), Rajendranagar, Hyderabad-500030, on or before bid opening date and time as mentioned in the Critical Date Sheet.
5. Catalogue/ Brochure may be submitted along with tender fee and EMD, addressed to the Chief Executive Officer, NIELAN-Technology Business Incubator, Indian Institute of Millets Research, (IIMR), Rajendranagar, Hyderabad-500030, on or before bid opening date and time as mentioned in the Critical Date Sheet
6. Bidder need not to come at the time of Technical bid as well as Financial bid opening at NIELAN-TBI, ICAR-IIMR. They can view live bid opening after login on e-Procurement Portal at their remote end. If bidder wants to join bid opening event at NIELAN-TBI, ICAR-IIMR then they have to come with bid acknowledge slip that generates after successfully submission of online bid.

The Firms are also required to upload copies of the following documents:-

TECHNICAL BID:

- a) Scanned copy of Tender fee and Earnest Money Deposit (EMD)/its exemption, if any.
- b) Scanned copy of Firm’s registration, Pan Card, TIN / GST No., Tender Acceptance Letter (Annexure-V).
- c) Scanned copy of Annexure – II and IV duly signed and stamped.

- d) Scanned copy of audited balance sheet and IT returns for the last three years (certified by the chartered Accountant or self attested) regarding firm's turnover of Rs.50 Lakhs per year during the last 3 years. This condition is waived off for recognized Startups.
- e) Scanned copy of valid authorized dealer certificate, if the supplier is dealer to the manufacturer.
- f) Scanned copy of Brochure /Catalogue duly attested and signed by the tenderer

All the above documents must be scanned and uploaded failing which your tender will not be considered for technical evaluation.

Note: Since the Millet based Processing machinery are evolving in nature and most of machines are fabricated on order, submission of printed brochures is optional or exempted.

FINANCIAL BID:

- a) Price Bid as BoQ_XXXX.xls

**Chief Executive Officer
NIELAN- TBI**

Annexure -II
TERMS AND CONDITIONS

1. The tenderer shall quote rates, which will include the **SUPPLY, INSTALLATION COMMISSIONING** and all other incidental charges. Taxes, if any should be indicated separately in the **BOQ** itself.
2. The rates should be quoted as per the **BOQ** uploaded on the **CPP Portal** (reference may be obtained from Annexure –III). Taxes, if any, should be indicated separately. It must be noted that the contract shall be awarded to the firm which fulfils all the required terms and conditions and remains **L-1** for any particular items.
3. The firm must possess valid **PAN, & GST Registration Number** and a copy of the same must be uploaded on the portal while submitting bid.
4. Copy of the Turnover sheet for last three years (certified by the chartered Accountant or self attested) should be uploaded to verify the turnover of the firm.
5. The firm should have at least **03 (three) years** of continuous experience of similar works in the trade with the business turnover of not less than **Rs.50 Lakhs** per annum for Backing Line A and **Rs. 20Lakhs** for Backing Line B during the last three years. Documents to this effect may be uploaded while submitting bid. The condition of prior turnover and **prior experience** to all startups (whether **MSEs** or otherwise) may be relaxed subject to meeting of quality and technical specifications. The said exemption is allowed to those startups with valid registration certificate from startup India.
6. Modification in the tender documents after the closing date is not permissible.
7. The successful firm shall have to supply the equipment within **90 days** from the date of confirmed supply order and if the materials are not supplied in time liquidity damages shall be levied @ **2%** per week subjected to maximum of **10%** of the order value **and suitable legal action will be taken against the firm and EMD/Security deposit shall be forfeited**. The rates quoted shall be valid for **180 days** from the date of opening of tender.
8. The contractor/bidder or his representative may contact the **CEO** at No. **040-24599331** for any further clarification. No variation in terms of quality of the items shall be entertained or else **EMD/Security deposit** shall be forfeited.
9. The President, **NIELAN-TBI, Indian Institute of Millets Research, (IIMR), Rajendranagar, Hyderabad-500030**, shall have the right to reject all or any of the offers, **accept more than one offer, and assign part of the job.**
10. **Warranty:** The machines/equipments/accessories offered shall confirm to the specifications as given in the tender/order and **shall have the warranty for ONE YEAR against defective design, defective quality material supplied, manufacturing defects etc., applicable from the date of installation/commission of machines/ equipments etc.** No extra cost will be paid for warranty for one year. The warranty of machines/items would certainly be taken into consideration.

11. Merely quoting of lowest rates does not mean that order shall be given to that firm. The Competent Authority will finally decide on the basis of quality and past performances.

12. Servicing should be available locally with ability to supply spare parts in Indian rupees for at least 03 years. A certificate should be enclosed failing which tender will be rejected without any reason

13. Pre-dispatch inspection: A pre-dispatch inspection by technical team of purchaser may be carried out at bidder's site of manufacturing machines. This pre-dispatch inspection will not absolve bidder's responsibility to execute supply in accordance with the tender terms.

14. Brochure claiming the specifications should be supplied with the quotation and should match with those listed in the manufacturer website failing which tender is liable for rejection.

15. Delivery: The Installation/Commissioning of Machines and/or Equipments at IIMR, Hyderabad, shall have to be carried out free of charge to NIELAN-TBI. The comprehensive training which includes Operations, Maintenance, Trouble shooting & all other areas which are necessary for smooth functioning of machine, shall be provided to at least two persons at site i.e., NIELAN-TBI by bidder. No extra cost will be paid for onsite training of machines.

16. The machine/equipment installed along with contact details in Hyderabad may be provided.

17. The Bidder can make payment of Tender Fee and EMD in the form of Demand Draft from any Nationalized Bank drawn in favour of „NIELAN“ account payable at Hyderabad. The original Demand Draft will be submitted by the Bidder either in person or by post which must be received in the officer of the tender publishing authority on or before the last date of Submission of bid. In case of exemption of EMD the scanned copy of document in support of exemption will have to be uploaded by the Bidder during bid submission. The Earnest Money will be refunded only after the finalization of the procurement and no interest will be paid on Earnest Money.

18. Rates once finalized will not be enhanced during the period of the contract.

19. Successful bidder should deposit Performance Security of 5% of the value of the Purchase order within 21 days in the form of Demand Draft/Bank Guarantee. The Performance Security should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of supplier including warranty obligations.

20. In case, the successful bidder shows inability at any stage, after the contract is finalized and awarded, for whatsoever reason(s), to honor the contract, the Earnest Money/Performance Security deposited would be forfeited.

21. The President, NIELAN-TBI, ICAR-IIMR reserves the right to cancel the contract at any time during the currency period of the contract without giving any reason.

22. Any disputes arising out of this order will be subject to the jurisdiction of Ranga Reddy District only.

23. Our Institute is registered with DSIR and we are exempted from Excise Duty & Custom Duty. Hence CDEC/DSIR will be provided to the firm, if demanded. Rate should be quoted accordingly.

24. Bid Validity: 180 days from the date of opening of tender.

25. PAYMENT: 100% of the contract price on receipt of goods/service by the consignee supported by satisfactory installation/commissioning.

26. Major components of the processing line have to be quoted by single vendor for consideration though minor components are not quoted by the same vendor will be accepted for finalisation of purchase.

Note: Since the Millet based Processing machinery are evolving in nature and most of machines are fabricated on order, submission of printed brochures is optional or exempted.

ANNEXURE-III

(Reference for BOQ) (To be quoted in format provided on CPP Portal)

Price bid: Supply, Installation, Commissioning, Testing and Calibration of **BAKING LINE SUITABLE FOR BAKING OF MILLET FOODS WITH CAPACITY OF 100 KG TO 120 KG PER HOUR (Baking line A) AND MIXING, SHEETING, CUP CAKE DROPPING MACHINES SUITABLE FOR BAKING OF MILLET FOODS AND ITS NECESSARY ACCESSORIES (Baking line B).** at Indian Institute of Millets Research, (IIMR), for NIELAN-Technology Business Incubator, Rajendranagar, Hyderabad-500030,

BAKING LINE			
Sl. No	Name of the item	Quantity	Per unit price* (in figure/words) as per BOQ)
A	BAKING LINE SUITABLE FOR BAKING OF MILLET FOODS WITH CAPACITY OF 100 KG TO 120 KG PER HOUR	1 No.	Rates must be quoted in BOQ (FB)
B	MIXING, SHEETING, CUP CAKE DROPPING MACHINES SUITABLE FOR BAKING OF MILLET FOODS AND ITS NECESSARY ACCESSORIES.	1 No.	Rates must be quoted in BOQ (FB)

- Tax extra as applicable should be indicated separately in the column provided.
- After two years of warranty, please quote the _____ percentage of tender value for AMC. Based on your quote and funding provision decision will be taken later. It may be treated as optional.

Note: The above mentioned Financial Proposal/Commercial Bid format is provided as BoQ_XXXX.xls along with this tender document at <https://eprocure.gov.in/eprocure/app>. Bidders are advised to download this BoQ_XXXX.xls as it is and quote their offer/rates in the permitted column and upload the same in the Financial Bid. Bidder shall not tamper/modify download price bid template in any manner. In case, if the same is found to be tempered/modified in any manner, tender will be completely rejected and EMD would be forfeited and tenderer is liable to be banned from doing business with ICAR-IIMR.

Note: Firm's can quote B.O.Q serial number A & B separately shall be considered for evaluation

ANNEXURE-IV

Name of the Firm : _____

Registered /Postal Address : _____

1.	Permanent Account Number (PAN)	
2.	Service Tax Registration No, if applicable	
	BANK DETAILS	
	(a) Bank Name	
	(b) Branch Address	
	(c) Account No.	
	(d) Type of Account (Current/Savings)	
	(e) MICR No.	
	(f) IFSC Code	

Date

Name of the Authorized Signatory

Place:

Stamp & Signature

ANNEXURE-V
TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Date: _____

To: _____

Sub: Acceptance of terms and conditions of tender.
Tender Reference No.:

Name of tender/work: _____

Dear Sir,

1. I/we have downloaded / obtained the tender documents(s) for the above mentioned „Tender/work“ from the web site(s) namely:

As per your advertisement, given in the above-mentioned website (s).

2. I/we hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedules(s), etc.,) which form part of the contract agreement and I/we shall abide hereby by the terms / conditions / clauses contained therein.

3. The corrigendum(s) issued from time to time by your department / organization too has also been taken into consideration, while submitting this acceptance letter.

4. I/we hereby unconditionally accept the tender conditions of above mentioned tender document(s)/corrigendum(s) in its totality / entirety.

5 I/we do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/Public Sector Undertaking/ Central Autonomous Bodies.

6. I/we certify that all information furnished by the our Firm is true and correct and in the event the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,
(Signature of the Bidder, with Official Seal)

Annexure-VI

INSTRUCTION FOR ONLINE BID SUBMISSION:

The bidders are requested to submit soft copies of their bids electronically on the CPP Portal, using valid user ID and Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

REGISTRATION:

- Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “Online Bidder Enrolment” on the CPP Portal which is free of charge.
- As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority Recognized by CCA India (e.g. Sify / nCode / eMudhra etc.), with their profile.
- Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC"s to others which may lead to misuse.
- Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC /e-Token.

SEARCHING FOR TENDER DOCUMENTS:

- There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, other keywords etc, to search for a tender published on the CPP Portal.

- Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective “MyTenders” folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. **Any deviation from these may lead to rejection of the bid.**
- Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF / JPG formats. Documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
- To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN Card Copy, TIN, Annual Turnover details, Auditor Certificates etc.) has been provided to the bidders. Bidders can use “My Space” or Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

SUBMISSION OF BIDS:

- Bidder should log into the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission date & time. Bidder will be responsible for any delay due to any issues/ reason.
- The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- Bidder has to select the payment option as “Online” to pay the tender fee / EMD as applicable and enter details of the instrument.

- Bidder should prepare the EMD as per the instructions specified in the tender document. The Original should be posted / couriered / given in person to the concerned official, latest by the last date and time of bid submission or as specified in the tender documents. The details of the DD / any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. **Otherwise the uploaded bid will be rejected.**

- Bidders are requested to note that they should necessary submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard

BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changes. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. **If the BOQ file is found to be modified by the bidder, the bid will be rejected.**

- The server time (which is displayed on the bidder"s dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

- All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers / bid openers public keys.

- The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

- Upon the successful and timely submission of bids (i.e., after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

- The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS:

- Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk.

ANNEXURE-VII

DETAILS OF MACHINERY EQUIPMENTS TENDER FEE AND E.M.D

BAKING LINE					
S.No.	Purchase of Item	Quantity	Tender Fee	EMD in INR	File No. for reference
A	BAKING LINE SUITABLE FOR BAKING OF MILLET FOODS WITH CAPACITY OF 100 KG TO 120 KG PER HOUR	1 No.		Rs. 1,80,000/-	No.TBI/T044/Nielan/2018-19/
B	MIXING, SHEETING, CUP CAKE DROPPING MACHINES SUITABLE FOR BAKING OF MILLET FOODS AND ITS NECESSARY ACCESSORIES.	1 No.	Rs.300/-	Rs. 60,000/-	No.TBI/T044/Nielan/2018-19/

TECHNICAL SPECIFICATIONS

Technical Specifications for the Supply, Installation, Commissioning, Testing, and Calibration of BAKING LINE SUITABLE FOR BAKING OF MILLET FOODS WITH CAPACITY OF 100 KG TO 120 KG PER HOUR.

SL. No.	Machine/Equipment/ Accessories	Specifications	Quantity Required
A	I. Rotary Molding, Cutting Unit and 3 Sets of Gauge Roller Unit with Cut & Lay Laminator Size 450 MM Wide	<p>1. <u>Two Roll Pre sheeter – Size 200mm.</u> A. <u>Pre Sheeter with Two Stage Gauge Roller Unit</u> i). <u>Pre Sheeter:</u> Dough Thickness Variable adjustments and 1 Set of Grooved Roller and 1 Set of Pre Gauge Roller provided and SS 304 Hopper will be provided. This unit will be driven by Suitable HP geared Motor and VFD ii). <u>1st Carry Web:</u> The Formed Sheet will be carried to the First Gauge Roller and this unit will be driven by Suitable HP Geared Motor</p> <p>2. <u>First Gauge Roller (200mm Dia with Chill Roller)</u> The top roller can adjust the thickness of the dough sheet. Both the rollers fitted with scrapper knife to avoid the dough stickiness on Rollers. This unit is driven by Suitable HP Geared Motor and VFD there is a transfer PU conveyor to feed the dough sheet to the Second gauge roller. This unit is driven by Suitable HP geared motor and VFD</p> <p>3. <u>Second Gauge Roller (200mm Dia Chill Roller)</u> The top roller can adjust the thickness of the Dough sheet. Both the rollers fitted with scrapper knife to avoid the dough stickiness on Rollers this unit is driven by Suitable HP Geared Motor and VFD There is a transfer PU conveyor to feed the dough sheet to the Final gauge roller. This unit is driven by Suitable HP geared motor and VFD</p> <p>4. <u>Final Gauge Roller (200mm Dia Chill Roller)</u> The top roller can adjust the thickness of the Dough sheet. Both the rollers fitted with scrapper knife to avoid the dough stickiness on Rollers this unit is driven by Suitable HP Geared Motor and VFD There are two PU conveyors connected to this unit, one</p>	1 No.

		<p>receiving the dough sheet from the gauge roller and transferring to the cutting web. This unit is driven by Suitable HP geared motor and VFD</p> <p>5. <u>Rotary Moulding Cum Cutting Unit With Panner Web</u></p> <p>Forcing Roller Drive: 2 HP Geared Motor with VFD</p> <p>Molding Die Size: Ø205 x 460 MM</p> <p>Cutting Die Size: Ø140 x 460 MM</p> <p>Cutting Die Drive: Suitable HP Geared Motor with VFD</p> <p>Molding and Cutting Web drive: Suitable HP Geared Motor with VFD Endless Conveyor (Nylon)</p> <p>Scrap Return: Suitable HP Geared Motor with VFD Cotton Conveyor</p> <p>Panner Web: Suitable HP Geared Motor with VFD Endless Conveyor</p> <p>Total Length of This Unit: 9000 to 10000 MM</p> <p>Note: Total outer covers should be made out of SS 202</p> <ul style="list-style-type: none"> • Two number of Molding Die & Two number of cutting die need to provide along with this unit • Necessary spares like rotary blade and endless conveyor need to provide along with this unit. 	
	<p>II. Electric Biscuit Baking Traveling Oven</p>	<ul style="list-style-type: none"> • Size: 460 to 500 mm Width X 9000 to 10000 mm Long. • Charging: 1000 to 1100 mm • Discharging : 2000mm • Heating Control: 72KW Heaters with Thyristor Temperature Control (Including Pre-Heating) • Maximum Heat: 350°C. • Drive: Suitable HP Geared Motor With AC Drive. • Exhaust Blower: Suitable HP Motor with return heat distribution • Brush: Suitable HP Motor. • Conveyor: Z 47. • Construction: Made out of thick MS Angles & covered with SS 202 Sheets. • Insulation: Mineral Wool & Ceramic wool is provided on all four sides. • Electrical panel : Should Provide with PLC 	<p>1 No.</p>

	III. Stripper Unit	<ul style="list-style-type: none"> • Frame: Mild Steel fabricated (Angles, Channels & Plates) • Frame Width: 1000 to 1100 MM • Conveyor: Cotton - 850 MM Width x 4 MM Thick • Web Drive Rollers: Dia 200MM MS Rollers Rubberized • Web Looping: U – Type Looping • Web Drive: Suitable HP Geared Motor with VFD (LG MAKE) • Web Tracking: Manual • Web Tightening: Web Tensioner and Web Tracking will be provided • Idler Rollers: Provided where necessary 	1 No.
	IV. 90° “L” Turn Conveyor	<ul style="list-style-type: none"> • Drive: Suitable HP Geared Motor with VFD 	1 No.
	V. Cooling Conveyor With Stacker & Packing Table	<ul style="list-style-type: none"> • Frame: Mild Steel fabricated (Angles, Channels & Plates duly Powder Coated) • Frame Width: 1000 to 1100 MM • Conveyor Web Width: Cotton – 20” Width x 4 MM Thick • Web Drive Rollers: Dia 200 MM MS Rollers Rubberized • Web Looping: S-Type (Gear Driven) • Length of the Conveyor: 23.5Mt @ 2 Tiers (1st Tier – 12 Mt, 2nd Tier – 8 Mt, bottom 3.5 Mt & Packing Table 5 Mt) • Web Drive: 2HP Geared Motor with VFD • Web Tightening: Manual Tightner per tier • Idler Rollers: Top every 3 Ft, Bottom every 4 Ft for easy web travel. A. <u>Stacker Unit (Triple Board)</u> <ul style="list-style-type: none"> • Frame: Mild Steel fabricated (Angles, Channels & Plates) • Frame Width: 1000 to 1100 MM • Web Drive Rollers: Dia 160MM Mild steel rollers Rubberized • Web Looping: U-Type (Gear Driven) • Stacker Fingerer: Aluminium Star wheel • Stacker Drive: Suitable HP Geared Motor with VFD • Web Tightening: Manual Tightner • Idler Rollers: Provided where necessary • Slope Plates: Magnetic Plates • Stacker Guides: Mild steel plates with Nickel Chrome Plated • Conveyor: Poly Urethane (P U) 20” Wide • Brush: Nylon B. <u>Packing Table</u> <ul style="list-style-type: none"> • Frame: Mild Steel fabricated (Angles, Channels & Plates) 	1 No.

		Frame Width: 1000 to 1100 MM Frame Length: 5 to 6 Mt Conveyor: Cotton – 20” Width x 4 MM Thick Web Drive Rollers: Dia 200MM MS Rollers Rubberized Web Looping: S-Type (Gear Driven) Web Tracking : Manual Web Tightening: Manual Tightner Idler Rollers: Provided where necessary Table Web Drive: Suitable HP Geared Motor with VFD Guide Lines: MS Flat - 5 Mt Long	
	VI. Air Compressor 200 Ltr	<ul style="list-style-type: none"> • Drive: 2 HP Geared Motor, Starter & Its Accessories including air pipe lane fitting up to required points. 	1 No.
	VII. Electrical cables, channelling	<ul style="list-style-type: none"> • Electrical cables, channels, panels and all required accessories should be supplier end only. 	As per requirement

Mandatory:

- All surfaces exposed to the environment will be painted/ powder coated
- All raw materials will be tested for micro- structure’s integrity using Non-Destructive Testing to avoid machine breakdown at site (Min. 3 test report)
- Preliminary inspection of the installation site will be done to avoid installation issues and to minimize foundation works, if any.
- All motors should be standard make.
- **Minimum One-year warranty of supplied machine.**
- After warranty, please quote the _____ percentage of tender value for AMC. Based on your quote and funding provision decision will take later. It may be treated as optional.
- All above machines should be provided with necessary / required safety features All electrical, electronic display units & Panel should be of reputed brand.
- All transportation charges, insurance charges should be quoted & onsite installation should be done at IIMR, Hyderabad.
- Machine to be supplied at IIMR, Hyderabad.
- All contact parts should be made of stainless steel 304

Note: Firm’s can quote B.O.Q serial number A & B separately shall be considered for evaluation

TECHNICAL SPECIFICATIONS

Technical Specifications for the Supply, Installation, Commissioning, Testing, and Calibration of MIXING, SHEETING, CUP CAKE DROPPING MACHINES SUITABLE FOR BAKING OF MILLET FOODS AND ITS NECESSARY ACCESSORIES.

SL. No. B	I. Cup Cake Dropping Machine with the capacity of 50kg to 60kg per Hour.	<ul style="list-style-type: none"> • No. of Nozzles 7 • Working width 18” (450mm) • Speeds: 26 Strokes / min. • Machine is fitted with 7" Colored T.F.T touch screen • Table height adjustment is fully automatic • Tray movement is powered by a geared motor • Dough Capacity: 50 to 60 Kg/Hr • Including suitable cup cake trays @ 30 nos. • Including suitable plane trays @ 30 nos 	1 No.
	II. Double Arm Sigma Mixer	<ul style="list-style-type: none"> • Capacity :100 to 120 kg • Main Frame : Fabricated out of MS Angles, Channels & Plates • Mixer Bowl: 4mm SS 304 Grade Sheets with water jacket • Mixer Arm: Z-Type arm of Steel casting fitted with suitable drive shafts • Bowl Lid: SS 304 Grade sheet door with balanced counter weight • Arm Fittings: Cast iron housing mounted with heavy duty bearings, seals, glands, lubrication system etc., • Bowl Tilting: Heavy duty worm gear mounted to bowl fitted with worm shaft coupled to 1HP Geared Motor. • Sigma Arm Drive: 7.5 to 10 HP Geared motor with VFD coupled to Sigma arm both the arms will be driven by heavy duty helical gears. • Machine Guards: All the covers will be fabricated of SS 202 Sheets • Electrical Panel: Provided with all control, safety components, and accessories like Front operation Panel with Reverse/Forward push buttons, selector, timer, hooter, phase indicator lamps with emergency switch. • 120 kg Capacity Movable Trolley with Bowl made with SS 304 @ 2nos 	1 No.
	III. Bread Mold	<ul style="list-style-type: none"> i. 250 gm x Qty 50 Numbers (set of 3) ii. 400 gm x Qty 10 Numbers(set of 3) (Made out of Alum Steel) 	50 No. 10 No.

IV. Dough Sheeter& Puffs Sheeter	<ul style="list-style-type: none"> • 520 mm Wide and Drive 1 HP • Floor Model • Thickness 3mm-50mm roller gap 	1 No.
V. Final Proover With Steam	<ul style="list-style-type: none"> • Chamber Size : 1000 x 800 x 300 MM • Power : 4 KW 	1 No.
VI. Biscuits Storage Crates with lid	<ul style="list-style-type: none"> • Made with Food Grade Plastic from Reputed Brand. • Size - Standard 	30 No
VII. Trolley Table	<ul style="list-style-type: none"> • Made with SS 202 with Two tiers @ Height - 2.5ft, Length - 4ft, width - 2.5ft • Must be having 3" height edge as railing. 	2 No
VIII. Electrical cables, channelling	• Electrical cables, channels, panels and all required accessories should be supplier end only.	As per requirement

Mandatory:

- All surfaces exposed to the environment will be painted/ powder coated
- All raw materials will be tested for micro- structure's integrity using Non-Destructive Testing to avoid machine breakdown at site (Min. 3 test report)
- Preliminary inspection of the installation site will be done to avoid installation issues and to minimize foundation works, if any.
- All motors should be standard make.
- **Minimum One-year warranty of supplied machine.**
- After warranty, please quote the _____ percentage of tender value for AMC. Based on your quote and funding provision decision will take later. It may be treated as **optional**.
- All above machines should be provided with necessary / required safety features All electrical, electronic display units & Panel should be of reputed brand.
- All transportation charges, insurance charges should be quoted & onsite installation should be done at IIMR, Hyderabad.
- Machine to be supplied at IIMR, Hyderabad.
- All contact parts should be made of stainless steel 304

Note: Firm's can quote B.O.Q serial number A & B separately shall be considered for evaluation