



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

F. No.TBI/T068/Nielan/2018-19

Date: 03-04-2019

**NOTICE INVITING TENDER THROUGH E-PROCUREMENT IN TWO BID SYSTEM**

Online Bids are invited from the interested bidders under two bid system for **SUPPLY, INSTALLATION, COMMISSIONING, TESTING AND CALIBRATION OF HOT EXTRUDER LINE OF MILLETS** at Indian Institute of Millets Research, (IIMR), Rajendranagar; Hyderabad 500030 for NIELAN-TBI. Manual bids shall not be entertained at all.

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

**CRITICAL DATE SHEET**

<b>Tender No.</b>	<b>F. No.TBI/T068/Nielan/2018-19</b>
<b>Date and Time for issued/Publishing</b>	<b>03-04-2019 11.30 AM</b>
<b>Document Download/Sale Start Date and Time</b>	<b>03-04-2019 11.30 AM</b>
<b>Bid Submission Start Date and Time</b>	<b>03-04-2019 11.30 AM</b>
<b>Bid Submission End Date and Time</b>	<b>24-04-2019 2.00 PM</b>
<b>Date and Time for Opening of Bids</b>	<b>25-04-2019 3.00 PM</b>
<b>Address for Communication</b>	<b>Chief Executive Officer, NUTRIHUB-TBI(NIELAN), ICAR - Indian Institute of Millets Research, (IIMR), Rajendranagar; Hyderabad-500030,</b>

**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 bidders should log on to the website will be in advance for bid submission so that they can upload the bid on time. Bidder will be solely 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 bid document.**
5. **Bidder has to select the payment option as “Offline” to pay the tender fee/Bid Security (i.e, EMD) as applicable and enter details of the instrument.**
6. **The tender fee Rs. 300/- (Non-refundable) in the form of Demand Draft (or) Bank Guarantee should be drawn 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. The firms registered with NSIC/MSME and seeking exemption to this effect should also upload/send self-attested copy of relevant document on or before bid opening date and time.**
7. **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**
8. **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.**

**Bidders are also required to upload copies of the following documents with duly signed and stamped: -**

**TECHNICAL BID:**

- a) Scanned copy of Tender fee and Earnest Money Deposit (EMD)/its exemption (NSIC/MSME), if any.
- b) Scanned copy of Firms registration, Pan Card, TIN / GST No., Tender Acceptance Letter (Annexure-V) duly signed and stamped.
- c) Scanned copy of Annexure – II and IV duly signed and stamped.
- d) Scanned copy of Annexure-VIII should write under remarks column , we are agree to supply the machine as per Technical Specifications mention in tender document, it should be duly signed and stamped.
- e) Scanned copy of audited balance sheet and IT returns for the last three years (certified by the chartered Accountant or self-attested).
- f) The Bidder should have at least 3 years of experience in similar works. Self-attested cliental list may be uploaded.
- g) The annual gross turnover of the firm should not be less than Rs.50 Lakhs at least for any three years during last five years. Attach/upload duly signed by Chartered Accountant or self-attested balance sheet and P&L account. In case the dealer/agent is quoting on behalf of the Company/Manufacturer, the experience/turnover of the manufacturer will be taken into consideration. However, this condition is waived off for recognized Startups.
- h) Scanned copy of valid authorized dealer certificate, if the supplier is dealer to the manufacturer, submission of printed brochures is optional or exempted

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

**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, TESTING AND CALIBRATION OF HOT EXTRUDER LINE OF MILLETS** 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 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. Modifications in the tender document after the closing date are not possible.
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 (01) 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, Troubleshooting & 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 the successful bidder at least for a period one month. 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 issued by NSIC/MSME etc are 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. 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.
27. 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.

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**ANNEXURE-III**

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

Price bid: **SUPPLY,INSTALLATION, COMMISSIONING, TESTING AND CALIBRATION OF HOT EXTRUDER LINE OF MILLETS** at Indian Institute of Millets Research, (IIMR), for NIELAN-Technology Business Incubator, Rajendranagar, Hyderabad-500030.

Sl. No	Name of the item	Quantity	Per unit price* (in figure/words) as per BOQ)
1	<b>HOT EXTRUDER LINE</b>	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 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.

**ANNEXURE-IV**

**Name of the Firm** : \_\_\_\_\_

**Registered /Postal Address** : \_\_\_\_\_

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

**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.

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**ANNEXURE-VII**

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

S.No.	Purchase of Item	Quantity	Tender Fee	EMD in INR	File No. for reference
1.	<b>HOT EXTRUDER LINE</b>	1 No.	Rs.300/-	<b>Rs 60000/-</b>	No.TBI/T068/Nielan/ 2018-19

**ANNEXURE -VIII**

**TECHNICAL SPECIFICATIONS**

Technical Specifications for the Supply, Installation, Commissioning, Testing, and Calibration of  
HOT EXTRUDER LINE FOR MILLETS

S.No	Machine/Equipment /Accessories	Specifications	Quantity required	Remarks
1.	1.Batch Mixer	<ul style="list-style-type: none"> <li>• Machine Capacity: 100-150 Kg/Hr (40 kg/Batch)</li> <li>• For mixing - Jacket cylinder with two blades</li> <li>• Standard Motor</li> <li>• Mixing time should be Adjustable</li> <li>• Make: SS 304 or other food grade</li> </ul>	1 No	
	2.Twin Screw Extruder	<p><b><u>Extruder:</u></b></p> <ul style="list-style-type: none"> <li>• Capacity- 75-100 Kg/Hr</li> <li>• Main Motor: Less than 30 HP with ac variable frequency drive (VFD); speed of motor 1440 rpm to 2000 rpm.</li> <li>• Frame: Mild Steel.</li> <li>• Base: Should be adjustable</li> <li>• Extruder Drive: Oil Lubricated (with separate pump) Gear drive and pump should be of standard make</li> </ul> <p><b><u>Extruder Barrel:</u></b></p> <ul style="list-style-type: none"> <li>• No of Barrel: 2 No's</li> <li>• Auto Self-cleaning function</li> <li>• Heating elements: 4 (Minimum).</li> <li>• Heater Power consumption: 2kW.</li> <li>• Temperature: Up to 300 °C</li> <li>• It should have Solenoid valve arrangement to control temperature.</li> <li>• Make: Nitriding steel</li> </ul> <p><b><u>Screws:</u></b></p> <ul style="list-style-type: none"> <li>• Segmented screw(4-6), building block structure, screw structure should be easily assembling type according to different formulas.</li> <li>• Screw material: 12CrMoV (Chromium-Molybdenum alloy) with Nitriding treatment.</li> <li>• Screw Length: Minimum 1000 mm,</li> <li>• Screw diameter: 60-65mm,</li> <li>• It should be of Self-cleaning type</li> <li>• Full intermeshing, Co-rotating.</li> <li>• Screw speed: 350-450 RPM,</li> </ul>	1 No	

		<p><b><u>Other Accessories:</u></b></p> <ul style="list-style-type: none"> <li>• <b>Raw material feeder:</b> <ul style="list-style-type: none"> <li>▪ Volume: 50 Litre hopper</li> <li>▪ Motor with VFD (Standard Make)</li> <li>▪ MOC: Stainless steel product contact surfaces.</li> </ul> </li> <li>• <b>Extruder dies and Die head:</b> <ul style="list-style-type: none"> <li>▪ Make: Chromium-Molybdenum alloy (4Cr5MoSiV1)</li> <li>▪ Extra <b>four</b> dies should be given along with standard die head.</li> </ul> </li> <li>• <b>Cutter Assembly:</b> <ul style="list-style-type: none"> <li>▪ Motor: 3 HP with ac VFD (Standard Make).</li> <li>▪ No of Blades: 2 to 4</li> <li>▪ Cutter blade Material: Heat treated stainless steel</li> <li>▪ Cutter assembly should be covered with stainless steel hood.</li> </ul> </li> <li>• <b>Control Panel:</b> <ul style="list-style-type: none"> <li>▪ Start/stop push buttons available</li> <li>▪ Completely Rat Proof Design</li> <li>▪ Digital indicator of extruder motor load, feed screw speed, temperature in barrel, extruder screw speed, cutter speed</li> <li>▪ Water tight mild steel enclosure</li> </ul> </li> </ul>		
3.Flaking Machine	<ul style="list-style-type: none"> <li>• Machine type: Roller type</li> <li>• Rollers should be adjustable press for various sizes of flakes.</li> <li>• Flakes thickness: (1 to 5mm)</li> <li>• Capacity: 30-50kg/hr</li> <li>• Motor: Standard make</li> <li>• Make: SS 304 or Food grade</li> </ul>	1 No		
4.Screw Conveyor	<ul style="list-style-type: none"> <li>• Motors: Standard Make</li> <li>• Make: SS 304 or Food grade</li> <li>• Leak proof and dust proof</li> <li>• Uniform feed</li> </ul>	1 No		
5.Vibrator Feeder	<ul style="list-style-type: none"> <li>• Capacity: 100 to 150 Kg/Hr</li> <li>• Motors: Standard Make</li> </ul>	1 No		

		<ul style="list-style-type: none"> <li>• It should make sure that surface of output pellets does not stick to rollers in flaker.</li> <li>• Make: SS 304 or Food grade at contact parts</li> </ul>		
	6. Air Conveyor	<ul style="list-style-type: none"> <li>• Capacity: 100 to 150 Kg/Hr</li> <li>• Make: SS 304 or Food grade at contact parts</li> <li>• Motors: Standard Make</li> </ul>	1 No	

**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.
- One year warranty of supplied machine.
- After One year of 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