



ICAR -Central Institute for Women in Agriculture
Plot No. 50-51, Mouza Jokalandi, P.O. Baramunda, Bhubaneswar- 751 003 (Odisha) INDIA
Phone: +91-674-2387220 / Fax: +91-674-2387242 / e-mail: nrcwa@nic.in,
director.ciwa@icar.gov.in / Website: <http://www.icar-ciwa.org.in>



**STANDARD ONLINE (E-PROCUREMENT MODE)
BIDDING DOCUMENTS FOR
PURCHASE OF SCIENTIFIC EQUIPMENT &
MISCELLANEOUS EQUIPMENTS**

**Document to be submitted online
for
(Technical & Financial Bid as per Schedule of requirement)**

NOTICE INVITING ON LINE TENDER

The ICAR-Central Institute for Women In Agriculture (CIWA) is a public funded Research Organization under the Indian Council of Agricultural Research, Department of Agricultural Research and Education, Ministry of Agriculture and Farmers Welfare, Government of India. The Director, ICAR-CIWA, Bhubaneswar, India, invites e-tenders through the website [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) under two bid systems from eligible and qualified bidders for supply of the following goods.

CRITICAL DATE SHEET

Tender Reference No.	F. No. V-11015/29/17 Dated 30.01.2018
Date of release of Tender through e-procurement Portal	01.02.2018
Bid Submission Start Date (Online)	01.02.2018, 10:00 AM
Receipt of Tender fees and EMD at ICAR-CIWA, Bhubaneswar	21.02.2018, 05:00 PM
Last Date & time for submission of online Bid	21.02.2018, 05:00 PM
Date & time for opening of technical Bid	23.02.2018, 03:00 PM
Address for Communication	The Director, ICAR-CIWA, Baramunda, Bhubaneswar- 751 003

**Sd/-
Administrative Officer**

Details of Items.

Sl. No.	Name of the equipment	Quantity	Imported/ Indigenous	E.M.D. to be deposited (Rs.)	Place of delivery / Installation of Goods/Equipment
1	Urea molasses mineral block machine	1	Ind	2000.00	ICAR-CIWA, Bhubaneswar
2	Pellet making machine	1	Ind	4000.00	ICAR-CIWA, Bhubaneswar
3	Metabolic cages for small ruminants	12	Ind	3000.00	ICAR-CIWA, Bhubaneswar
4	Feed grinder / mixer	1	Ind	2000.00	ICAR-CIWA, Bhubaneswar
5	Leaf plate moulding machine motor operated	2	Ind	2000.00	ICAR-CIWA, Bhubaneswar
6	Photocopies with Scanner	1	Ind	4000.00	ICAR-CIWA, Bhubaneswar
7	Millet pulverizer	5	Ind	2000.00	ICAR-CIWA, Bhubaneswar
8	Adobe Creative Suite 6 Master Collection Software, for Mac Computer along with Hard Disc	1	Ind	4760.00	ICAR-CIWA, Bhubaneswar
9	Human energy measuring equipment	1	Ind	56812.00	ICAR-CIWA, Bhubaneswar
10	Vacuum packaging machine	1	Ind	7000.00	ICAR-CIWA, Bhubaneswar
11	Cooling / refrigerated centrifuge	1	Ind	8000.00	ICAR-CIWA, Bhubaneswar
12	Electronic balance	1	Ind	2400.00	ICAR-CIWA, Bhubaneswar
13	Vacuum oven	1	Ind	4000.00	ICAR-CIWA, Bhubaneswar

The Bid Security (EMD) should be deposited (through online deposit mode of transfer/RTGS/NEFT) **i.e., Name of the Account holder/Beneficiary-** ICAR UNIT-DRWA, Account Number-10478302130, IFSC Code-SBIN0009027, Name of the Bank- State Bank of India, Priyadarshini Market Branch, Bhubaneswar, Branch Code-9027.

IMPORTANT NOTES:-

1. Tender Documents can be downloaded from the ICAR-CIWA website <http://www.icar-ciwa.org.in> or from the Central Public Procurement Portal <URL:http://eprocure.gov.in/eprocure/app> Bidders should enroll/register in the e-procurement module of Central Public Procurement Portal through the website: <URL:http://eprocure.gov.in/eprocure/app> for participating in the bidding process. Bidders should also possess a valid Digital Signature Certificate (DSC) for online submission of bids.
2. Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax etc. will be rejected.
3. The EMD should be submitted separately for each equipment as indicated in the EMD column of the above table. **In case of offered price of equipment/instrument is less than Rs.1,00,000/-, there is no need to submit EMD (Bid Security).** **Tender Fee is essential in all cases.**
4. ICAR-CIWA will not be responsible for any delay in enrollment / registration as bidder or submitting /uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website <URL:http://eprocure.gov.in/eprocure/app> and enroll their Digital Signature Certificate and upload their quotation well in advance.
5. Any change/corrigendum/extension of opening date in respect of this tender shall be issued through websites only and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit our website for updates.
6. ICAR-CIWA reserves the right to accept/reject any or all the tenders in part/full without assigning any reason thereof.

Place: Bhubaneswar
Date: 30-01-2018

Sd/-
Administrative Officer
For Director, ICAR-CIWA



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INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. For Online Bid Submission as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)). The bidders are required to submit copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.

More information useful for submitting the online bids on the CPP Portal is available/obtained at [URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app) . Manual/offline bids shall not be accepted under any circumstances.

For Registration

2. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal ([URL:http://eprocure.gov.in/eprocure/app](http://eprocure.gov.in/eprocure/app)) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.

3. Foreign Bidders have to refer “**DSC details for foreign Bidders**” for Digital signature Certificates requirements which comes under Download Tab at <http://eprocure.gov.in/eprocure/app?page=Standard Bidding Documents &service=page> and the remaining part is same as above and below.

5. The intending Tenderer, in case of Authorized Distributor/ Authorized Dealer shall possess valid authorized Distributorship /Dealership license from Original Equipment Manufacturers. The tenderer shall enclose the copy of the same as PDF file in Cover-I of e-tender while submitting the tender.

6. The equipment shall be in compliance with the specifications mentioned in Annexure –I of the tender and shall be of the latest technology, best quality and high standards.

7. Any optional accessories/ tooling, besides the standard equipment recommended for the better performance of the equipment, if offered, be provided with their full technical details including their use and advantage in a separate sheet with the tender documents.

8. No extra payment shall be paid on account of any discrepancy in nomenclature of items.

9. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any tender stipulate any condition of his own, such conditional tender is liable to be rejected.

10. Director, ICAR-CIWA, reserves the right to reject any tender/bid wholly or partly without assigning any reason.

11. The Technical Committee constituted by the Director, ICAR-CIWA shall have the right to verify the particulars furnished by the bidder independently.

12. Tenderer shall take in to account all costs including installation, commissioning, cartage etc. for giving delivery of material at site i.e. ICAR-CIWA, Bhubaneswar be for quoting the rates. In this regard no claim for any extra payment for any reason shall be entertained.

13. The item should be delivered at ICAR-CIWA, Bhubaneswar and the supplier shall be responsible for any damage during the transit of goods.

14. All the tender documents & price bid to be up loaded as per this tender are to be digitally signed by the bidder.

15. All the communications with respect to the tender shall be addressed to:

The Director, ICAR-CIWA, Baramunda, Bhubaneswar- 751 003.

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

1) TECHNICAL BID

- (a) Scanned copy of Tender fee and Earnest Money Deposit (EMD)/ its exemption, if any
- (b) Scanned copy of firms registration, PAN Card, GSTIN.
- (c) Tender Acceptance letter (Annexure-IV)
- (d) In case of imported equipment, scanned copy of Manufacturers Authorization Certificate issued by Principal Manufacturer duly verified by the Indian Agent or Manufacturing Certificate.
- (e) Scanned copy of Income Tax Statement for the last two years.
- (f) Scanned copy of Bank details (Annexure-II).
- (g) Scanned copy of Make and Model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of brochures and write-ups.
- (h) Warranty of the equipment may also be mentioned in the tender documents.

2) FINANCIAL BID

- (a) Price Bid as BoQ.xls
- (b) The bidder are advised to quote price for imported equipment Multi Currency (INR) and for Indigenous equipment in INR.

**Sd-
Administrative Officer**

TERMS AND CONDITIONS

1. The tender shall Interested bona fide and reputed manufacturers/Indian agents (on behalf of their foreign principals) may **submit online bids for each of the above equipment** along with all requisite documents and scanned copies of Tender Fee (through online deposit mode of transfer/RTGS/NEFT) of Rs. 1000.00 (Non-Refundable) (i.e., **Name of the Account holder/Beneficiary-** ICAR UNIT-DRWA, Account Number-10478302130, IFSC Code-SBIN0009027, Name of the Bank- State Bank of India, Priyadarshini Market Branch, Bhubaneswar, Branch Code-9027).
2. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents as mentioned in the bid document should and must be uploaded On-line <http://eprocure.gov.in/eprocure/app>. The Bids sent through FAX, E-mail, by hand and/or by post shall not be accepted/ processed, in any case.
3. The bidders may submit duly filled and completed bidding document ONLINE as per instruction contained in the bidding documents. Incomplete bid shall be rejected. The conditions of tender shall be governed by the details contained in complete bid document.
4. The rates should be quoted as per the BOQ uploaded on the CPP Portal. Taxes, if any, should be indicated separately. the bidders are advised to download this BOQ.xls as it is and quote their offer/rates in the permitted column and upload the same in the Financial Bid. The Bidder shall not tamper/modify downloaded 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-CIWA.
5. In case, holiday is declared by the Government on the day of opening the bids, the bids will be opened on the next working day at the same time. The ICAR- CIWA, Bhubaneswar reserves the right to accept or reject any or all the tenders.
6. The firm must also possess valid PAN No., GST registration Number and a copy of the same must be uploaded in the Cover-1 of the E-tender.
7. Bid Validity: 180 days.
8. Our Institute is registered with DSIR and are exempted from Excise Duty & Custom Duty. Hence, CDEC/DSIR will be provided to the firm, if demanded. Rates should be quoted accordingly.
9. The detailed instruction for online submissions of bid(s) through e-procurement module of Central Public Procurement of NIC, the bidder(s) may visit following link: [http://eprocure.gov.in/eprocure/app?page=HelpForContractors & service=page](http://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page)
10. **Bid Security (EMD)** : The units registered with National Small Industries Corporation (NSIC) or the concerned Ministry or Department shall be exempted from the payment of Bid Security (Earnest Money Deposit) as defined under **General Financial Rules, 2017**. In such case, **copy of the certificate showing registration with the above mentioned institutions to be uploaded in Cover-I of the e-tender in PDF format.**
11. In case the unit is not covered as above, should submit the offer along with the **Bid Security (EMD)** should be deposited (through online deposit mode of transfer/RTGS/NEFT) (i.e., **Name of the Account holder/Beneficiary-** ICAR UNIT-DRWA, Account Number-10478302130, IFSC Code-SBIN0009027, Name of the Bank- State Bank of India, Priyadarshini Market Branch, Bhubaneswar, Branch Code-9027).
- 12. In the case of offered price of equipment/instrument is less than Rs.1,00,000.00, there is no need to submit EMD (Bid Security).**
13. Tender Fee/ EMD have to be submitted through online on or before **21.02.2018(5PM)**.
14. The EMD will be returned to the unsuccessful bidders.
15. The EMD will be forfeited if the bidder fails to accept the order based on his/her offer/bid or fails to supply the items.

16. **The successful tenderer, irrespective of its registration status, in the event of receiving award for supply for a contract value above Rs.1,00,000.00 shall have to deposit performance security at the rate of 5% (five percent) of the contract value within 15 days of receipt of confirmed Purchase Order.**

17. **Delivery:** **For Indian supply:** Maximum of six weeks from the date of supply order

For Foreign supply: Maximum of eight weeks from the date of supply order

18. **Payment :**

(A) Payment for Goods supplied from abroad:

- (a) On shipment 90% of the contract price (FOR) shall be paid through Irrevocable Letter of Credit upon submission of documents detailed in L/C.
- (b) 10% of the contract price (FOR) (in foreign currency) will be released after satisfactory installation/working of equipment/machine etc.
- (c) The bidders may also opt Forex Demand Draft/Sight Draft mode of payment on successful supply and installation .The bidders will be intimated the copy of FDD along with confirmed Purchase Order.

(B) Payment for Goods(imported/indigenous) supplied within India:

100% of the contract price on receipt of goods by the consignee supported by satisfactory installation/working report.

19. **Installation:** Within 30 days from the date of receipt of equipment in the Institute falling which Liquidated damage clause shall apply.

Liquidated Damage Clause: It would be realized @0.5% (half percent) of the base price (excluding taxes) of the delayed goods for each week of delay subject to maximum 10%.

20. **PRICES:-**

- I. If any bidder wants to quote in foreign currency, price to be quoted on FOR basis to ICAR-CIWA, Bhubaneswar.
- II. If any bidder wants to quote in INR, Price to be quoted on FOR, ICAR-CIWA, Bhubaneswar basis.
- III. The bidder are advised to quote price for imported equipment Multi Currency (INR) and for Indigenous equipment in INR.**
- IV. **IN CASE THE STORES PERTAINS TO IMPORT:**
 - a) Kindly ensure to upload (in cover-1 of e-tender) Manufacturer's Authorization in favour of Indian Subsidiary Firm. It may also be noted that further authorization by subsidiary firm in favour of any other firm located in India to promote their sale must have authorization to an Indian firm, failing which the tender is liable to be cancelled.
 - b) Price to be quoted on FOR to ICAR-CIWA, Bhubaneswar.
 - c) The FOR price is inclusive of all incidental charges i.e. freight, forwarding and insurance etc.
 - d) The clearing charges from custom house will be borne by the Indian Agent. The documents will be provided to the Indian Agent on request by ICAR-CIWA.

Administrative Officer



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Name of the Firm :

Tender Reference No :

Name of the Tender/work :

Check List

Sl. No.	Details	Submitted (Yes/No)	If submitted , mention page no. of pdf file	Remarks
1	a. Scanned copy of Tender fee and Earnest Money Deposit (EMD)/ its exemption, if any			
2	b. Scanned copy of Firms registration, PAN Card, GSTIN.			
3	c. Tender Acceptance letter (Annexure-IV)			
4	d. In case of imported equipment, scanned copy of Manufacturers Authorization Certificate issued by Principal Manufacturer duly verified by the Indian Agent or Manufacturing Certificate.			
5	e. Scanned copy of Income Tax Statement for the last two years.			
6	f. Scanned copy of Bank details (Annexure-IV).			
7	g. Scanned copy of Make and Model of all systems, sub systems and additional items should be mentioned in the technical bid and complete technical details should be provided in the form of brochures and write-ups.			
8	h. Warranty of the equipment may also be mentioned in the tender documents.			

Signature of the Bidder,
with Official Seal



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MANDATE FORM FOR BANKING DETAILS

A. Details of Accounts Holders:-

Name of Account Holder	
Complete Contact Address	
Mobile Number	
E-mail	
GSTIN Number	
PAN Number	
Adhar Number	

B. Bank Account Details:

Bank Name	
Branch Name with complete Address, Telephone No. & E-Mail	
Whether the branch is computerized?	
Whether the Branch is RTGS enabled? If Yes then what is the branch 's IFSC Code	
Is the branch also NEFT enabled?	
Type of Bank Account (SB/Current/Cash Credit)	
Complete Bank Account No (Laser)	
MICR Code of Bank	

Date of effect:-

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I would not hold the use Institution responsible. I have read the option invitation letter and agree to discharge responsibility expected of me as a participant under the Scheme.

Signature of Account Holder

CERTIFICATE ABOUT NON BLACK LISTING

We ----- on this date ----- do hereby certify that our company / firm has not been blacklisted by any Government Department / Government Educational Institutions / Research Institute(s) during the last three years.

Authorized signatory of Bidder with Seal

Name -----

Designation-----

Place -----

Date -----

TENDER ACCEPTANCE LETTER

(To be given on Company letter head)

Date:

To,

The Director,
ICAR-CIWA,
Plot No. 50-51, Mouza Jokalandi,
P.O. Baramunda,
Bhubaneswar- 751 003

Sub: Acceptance of terms and Conditions of tender.

Tender Reference No:

Name of the tender/work:-

Dear Dir,

1. I/we have downloaded the tender documents for the above mentioned Tender/work from the website (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 the terms/ conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department / organization too have 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.
6. I/we certify that all information furnished by 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 thereof 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**

QUESTIONNAIRE

ONLINE BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARK "NOT APPLICABLE". BIDDERS MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND/OR ARE EVASIVE THE BID WILL BE LAIBLE TO BE IGNORED.

1. Bid No..... Date for bid opening on.....

2. Offer is open for acceptance
.....

3. Brand of goods offered :

4. Name & address of manufacturer :

5. Station of Manufacturer. :

6. What is your permanent Income Tax A/C No.:

7. Confirm whether you have attached your latest/current ITCC or certified photocopy thereof.

8. Status :

(a) Are you a small scale unit currently registered with the National Small Industries Corporation (NSIC) under Single Point Registration Scheme for the items(s) quoted ? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.

(b) If you are not registered either with NSIC , please state whether you are currently registered with Directorate of Industries of the State Government concerned. If so indicate the date up to which you are registered and whether there is any monetary limit on your registration.

(c) Are you registered under the Indian Companies Act, 1956 or any other Act? Please attach certified copy(copies) of the relevant registration certificate(s) in confirmation to you above answer(s).

9. Please indicate
Name & Full address of your Banker(s):

10. Whether you are :

- i) Manufacturer of the goods quoted; or
ii) Manufacturer"s authorized agent for those goods.

11. State whether business dealings with you have been currently banned by any Ministry/Deptt. Of Central Govt. or any State Govt.:

Signature of Witness

Name & address of Witness

Signature of Bidder

Full name, designation & address of the person signing above For and on behalf of Messrs.

.....
Name & address of bidding firm)

Schedule of Quantities, Technical Specification and Quality Control Requirement

Sl. No.	Name of the equipment	Quantity	Specification	Remarks/Special instructions
1	Urea molasses mineral block machine	1	Capacity of machine: 40 kg/hr (Min.) Power source: 1 hp electric motor (perfect hydro machine) Block weight/size : 2-3 / 9" x 4.5 " x 1.5" Utility : Animal feed block of urea, molasses, mineral mixture and grains can be made.	The equipment should be supplied, tested, and installed at the specified site.
2	Pellet making machine	1	Power : 10 HP (Min.) Electric Motor (R.P.M) :1440 (Min.) Capacity (kg/hr) : 100-200 animal feed pellets Pellet diameter : 3-5 mm (minimum) * Attachment with suitable Boiler and conditioner for animal feed pellet preparation *The machine is meant for pellet feed preparation for goats.	The equipment should be supplied, tested, and installed at the specified site.
3	Metabolic cages for small ruminants	12	Made of stainless steel sheet (22 gauge) Legs : 40 x 40 x 6 mm angle frame of 100 cm L, 55 cm W and 100 cm H (for small animals). Top :16 gauge aluminium sheet having border 40 x 40 x 6 mm angle iron. (for both) Back door :M. S. Sheet (16 gauge) or stainless steel sheet (22 gauge) with m.s. flat welded border. Sides :Welded mash of 25 x 75 x 3 mm having borders of m.s. angle of 25 x 25 x3 mm Size. Height 15 cm. Side window : 50 cm height (small) Window made of iron rod (12 mm) welded with angle iron (40 x 40 x 6 mm) in all 4 sides Floor : 20 x 20 x 3 mm welded mash having border of 25 x 25 x 3 mm angle iron (small animal). Diverting tray : One funnel shaped tray sliding and removable at front or back side (small animal) Front side : Size same as sides but will have a 18 cm wide cut throughout the height of cage. Cut should have border of 35 x 35 x 5 mm angle iron. Feeding trough : Made of 18 gauge G1 sheet of 35 cm L, 28 cm depth and 22 cm width.(Small animal) Paints : Coat of good quality primer and good quality enamel paint of green or blue colour	The equipment should be supplied, tested, and installed at the specified site.
4	Feed grinder	1	Feed grinder, Working Capacity: Upto 200 kg/hr Output material : 1-3 Man shaft speed (RPM) : 1800-2000 Electric Motor: Upto 10 HP	The equipment should be supplied, tested, and installed at the specified site.
5	Electronic balance (6 kg)	1	Electronic balance (6 kg), Capacity: 6 kg Readability: 0.1 g Pan Size: 195 x195 mm Calibration : External Cal. Display: LCD/LED Display	The equipment should be supplied, tested, and installed at the specified site.
6	Electronic platform balance (200kg)	1	Electronic platform balance (200 kg), Capacity: 200kg Readability: 1 kg Display: LCD/LED Display Calibration : External Cal.	The equipment should be supplied, tested, and installed at the specified site.
7	Leaf plate moulding machine motor operated	2	Leaf plate moulding machine motor operated (Diagram enclosed in Annexure-VII)	The equipment should be supplied, tested, and installed at the specified site.

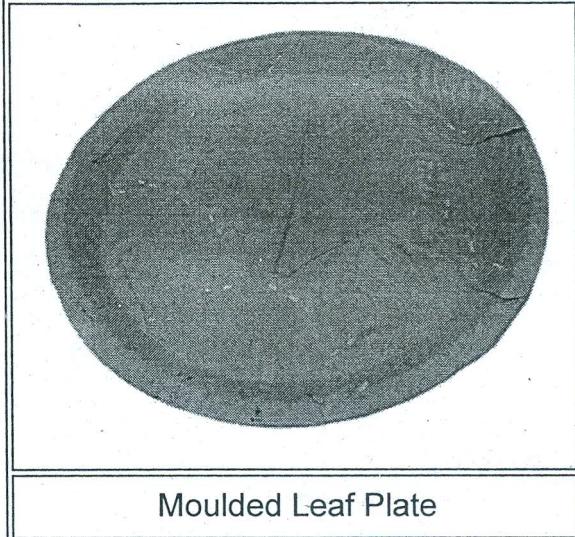
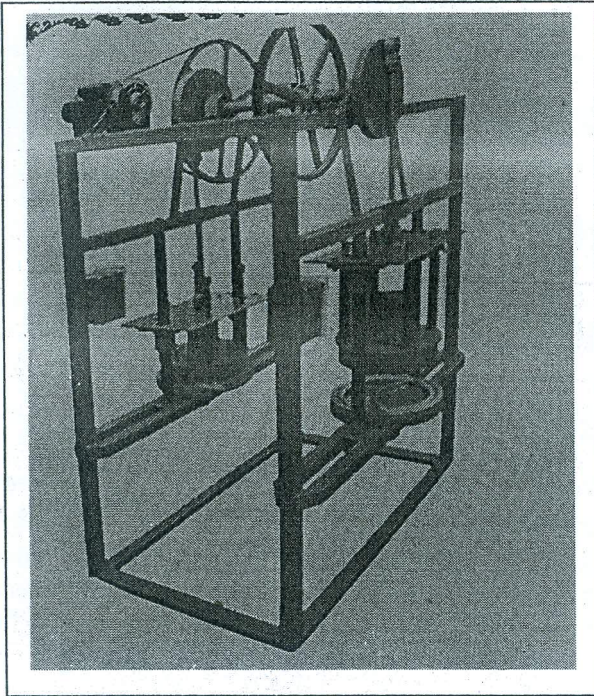
8	Photocopies with Scanner	1	Make: Kyocera 3501 4501 5501	The equipment should be supplied, tested, and installed at the specified site.
9	Millet Pulverizer	5	With stainless steel body With sieves of different mesh sizes Fully automated Weight : About 50 kg 1-2 HP motors With essential accessories	The equipment should be supplied, tested, and installed at the specified site.
10	Adobe Creative Suite 6 Master Collection software etc., for Mac Computer	1	<ul style="list-style-type: none"> • Acrobat X Pro • Photoshop CS6 Extended • Illustrator CS6 • In Design CS6 • Dreamweaver CS6 • Flash Professional CS6 • Flash Builder® 4.6 Premium Edition • Dreamweaver CS6 • Fireworks CS6 • Adobe Premiere Pro CS6 • After Effects CS6 • Adobe Audition CS6 • Speed Grade CS6 • Prelude CS6 • Encore CS6 • Bridge CS6 • Media Encoder CS6 	The equipment should be supplied, tested, and installed at the specified site.
11	Online UPS 2 KVA with 2 hours backup	1	<ul style="list-style-type: none"> • APC / EMERSON /SUKAM/ MICROTEK • Technical Specifications Type: 1 Phase Input -1 Phase Output Voltage: 180V Series: Sinclair-I Technology: High Frequency Online UPS MODEL: Sinclair-I Capacity: 2kVA Input Parameters No. of Phases: 1Phase-3Wire (P, N, E) Voltage Range: 110-300Volts ± 5Volt (Load dependant) Input Power Factor: >0.97 at Full Load Input Frequency Range: 46 to 54Hz. Output Parameters Power: 1400 W Load PF Range: 0.65 lagging to 1.0 Phase: 1 Phase -3 Wire (P, N, E) Output Waveform: Pure Sine Wave Voltage: 220/230/240VAC ± 2% (selectable) Frequency: Synchronization Range 46-54Hz, Slew Rate 1Hz/Sec; Battery Mode (50±0.2) Hz 	The equipment should be supplied, tested, and installed at the specified site.
12	2 TB External Hard Disk Mac Supported	2	<ul style="list-style-type: none"> • Seagate/WD/Lenovo 	The equipment should be supplied, tested, and installed at the specified site.
13	Human energy measuring equipment	1	<ol style="list-style-type: none"> a. Subject Mountable Telemetric System for Metabolic analysis b. Single Body - weather and dust proof c. Weight Less than 1 Kg including battery d. To conclude ergonomically designed multi-size adjustable e. Testing Capacity of Pulmonary Gas Exchange (VO₂ max, Sub-max VO₂ , Thresholds (AT, RCP), Heart rate with HR Belt, Resting Energy Expenditure (REE, RMR), Indirect Calorimetry w/ Face Mask, Substrates Analysis (RQ, % FAT, %PRO, %CHO) etc. f. Analysis Method: Dual Metabolic Sampling Technology, user selectable Mixing Chamber or Breath by breath g. Wireless Data connectivity within line of sight, to a distance of more than 25m h. Having connectivity with USB, Audio Heart Rate (AUX), Wireless Device Interface (for 	The equipment should be supplied, tested, and installed at the specified site.

			<p>integration with compatible peripherals like SpO2 and ECG. Sensors for SpO2 and ECG to be included)</p> <p>j. Data storage for more than 10,00,000 breadth, with SD-HC Card internal slot user accessible</p> <p>k. Display: Minimum 3.5" LCD Transflective Colour- high visibility with LED backlit TFT, with Resistive technology touch screen, that allows gloves and wet fingers</p> <p>(l.) Analyzers:</p> <p>a. Oxygen: GFC 0-100% range, lifespan approximately 12 months (very easily user replaceable) response time 120 ms.</p> <p>b. Carbon-dioxide: Digital NDIR 0-12% range, response time 100ms</p> <p>c. Barometer: Range- 600 to +5500 m</p> <p>d. Flow: Bi-directional Digital Turbine 4 to 300 L/Min Ventilation Range</p> <p>(m) Power:</p> <p>a. Battery: Rechargeable Li-ion "smart battery" w/ LCD charge status indicator. 2 Packs</p> <p>b. Backup Battery : Embedded to allow main battery replacement during testing without loss of data</p> <p>c. Main: 100-240 V AC/DC Adapter, for direct/main power supply and battery charging</p> <p>(n) Accessories/ Consumables : All standard accessories and consumables needed for performance of the test including but not limited to all sensors for gas analysis, SpO2, ECG, mask, all calibration equipments, Gas cylinders, regulators, stands, trolleys, laptop PC (with DVD writer, 500GB memory, 4GB RAM, Intel 5 or equivalent processor, carry case, original Windows 8.1 or above, original latest MS Office suit or equivalent) to be provided</p> <p>(O) Must have European CE, US FDA and ISO certifications</p> <p>(P) With all accessories</p>	
14	Vacuum packaging machine	1	<p>Chamber size: 440 x 410 x 100 cm approx</p> <p>Comes with Digital Controller</p> <p>No. of sealing heads: one or two</p> <p>Seal Length: 4 x 400 approx</p> <p>Distance Between seal bar: 350 mm approx</p> <p>Vacuum Pump Capacity(m³/hr): 30 approx</p> <p>Electric Motor: 1 hp</p> <p>Power supply: 220V</p>	The equipment should be supplied, tested, and installed at the specified site.
15	Cooling / refrigerated centrifuge	1	<p>Programmable compensation for true sample temperature</p> <p>Pre Cooling Fast Spin</p> <p>Calibration window on lid for speed</p> <p>Self diagnostic of errors</p> <p>Brushless motor with frequency drive</p> <p>Inverter fault detection with auto shutdown</p> <p>LCD display Digital control communication.</p> <p>Bidirectional encoder</p> <p>CFC free refrigeration system</p> <p>Last set parameters recall</p> <p>Digital countdown timer 0-99 min & continuous run</p> <p>Automatic door opening.</p> <p>Automatic rotor identification</p> <p>Motor over lode protection</p> <p>Emergency lid lock release</p> <p>Imbalance detection with centrifugation cut off</p> <p>Gas hinge to prevent door opening</p> <p>Acceleration profiles: 9, Deceleration profile: 9 & Coasting</p> <p>Max. Speed: 20,000 rpm approx</p> <p>Max. rcf : 35000 approx</p> <p>Max. tube size: 100ml</p> <p>Max. capacity:400ml</p> <p>Lowest Temp.: -8 degree C</p> <p>Dimension(wxdxh): 775x575x475 mm approx</p>	The equipment should be supplied, tested, and installed at the specified site.

			Power Supply: 220-240v 50Hz. ROTOR - ANGLE HEADS Capacity: 12 x 15 ml. Capacity :8 x 50ml Capacity :24 x 1.5ml	
16	Electronic balance	1	Complete with glass wind shield and one touch Function key having sliding door opening/closing system. Overload Protection: Yes Leveling feet and Level indicator Unit conversion facilities. Maximum Capacity : 200 gm approx Readability : 0.1 mg. Repeatability : 0.1 mg. Linearity : 0.2 mg. Response time : 2 sec. AC Adapter 230 Volts. Tare range full Platform dimension: 90 mm approx. Balance dimension : 350x200x340 mm (L X W X H)approx Diagnostics : Easy running of balance diagnostics test , Piece counting, Percentage weighing, Dynamic weighing, Totaling, free factors, recall, High performance mono block weighing cell for fast and accurate result. Protective Covers : Encloses the entire housing protecting the balances from stains and scratches	The equipment should be supplied, tested, and installed at the specified site.
17	Vacuum oven	1	Double Wall Construction Inner chamber made of Stainless Steel with Exterior CRCA Steel with Powder coat finish. Inner made of Stainless Steel and Exterior of Stainless Steel - 304 grade Two valves, one for evacuating and other for purging/flushing. Vacuum levels : up to 760 MM/Hg. Food grade Silicon door gasket and sturdy door fitting. Toughened glass window Non perforated Stainless Steel trays. Temp Range : 50°C to 200°C. Temperature control: Microprocessor based PID Temp. Controller & PT – 100 Sensor with +/- 2 ° C accuracy. Power: 230 Volts AC Single phase 50 Hz. CHAMBER SIZE(W x D x H): 20" X 20" X 30" approx RATING WATTS: 2500 TRAYS: 3 NOS	The equipment should be supplied, tested, and installed at the specified site.
18	Refrigerator	2	Refrigerator LG/ Samsung/any other Frost free, double door, 255 liters, inbuilt stabilizer.	The equipment should be supplied, tested, and installed at the specified site.
19	Freeze dryers	1	Make: LG and others Microprocessor Controlled Laboratory scale freeze dryer with vacuum pump and facility for lyophilizing the products in vials and ampoules, sealing under vacuum. The system should have both automatic and manual operating system. Ice capacity per day : 1 to 25 liters 4. Total ice capacity: 2 to 3.5 liters Condenser temperature : -750C to -850C. Electricity requirement : 220-240V, 50 Hz. 19. Ambient temperature : +10 ⁰ C to + 32 ⁰ C 20. Noise level: ≤55dB. LC display of system operation and set parameters, viz., ice condenser temp, vacuum time set 8. Automatic defrosting function. Hot gas Frosting.	The equipment should be supplied, tested, and installed at the specified site.
20	Hot air oven	1	Make BR Biochems/other Capacity 80 L/ temp. range Ambient + 5-200 degree C/ Temp. Accuracy +/- 0.5 Deg. C at 100 Deg. C, +/- 1 deg. C/ temperature uniformity +/- 1 deg. C/ temperature resolution 0.1 Deg. C/ Timer range- none/ internal dimension (WxDxH) 420 x 450 x463 mm/shelves -2/ weight -40/42 kg/Power-1250 W/ power supply -110 V 50/60 Hz (220 V50/60 Hz Available)	The equipment should be supplied, tested, and installed at the specified site.

21	Electric motorized chaff cutter	1	Electric motorized chaff cutter, 1 hp motor, two/three blade	The equipment should be supplied, tested, and installed at the specified site.
22	Steel Almirah	1	Steel Almirah	The equipment should be supplied, tested, and installed at the specified site.
23	Book shelf	1	Book shelf	The equipment should be supplied, tested, and installed at the specified site.
24	Laptop	1	<ul style="list-style-type: none"> • Intel Core i5 (7th Gen) Processor • 8 GB DDR4 RAM • 1 TB HDD or above • 14" Full HD Display • Windows 10 Home (64-bit) • 4 GB DDR3 dedicated Graphics Card • Wireless, Bluetooth Support; • 1 Year Onsite Warranty 	The equipment should be supplied, tested, and installed at the specified site.
25	Laser jet printer	1	Automatic Duplex Black and White printing: Print speed: 25 ppm or above Network : built-in Ethernet, WiFi 802, 11b/g/n Print resolution : 1200 x 1200 dpi or above 128 MB Memory Media sizes supported : A4, A5, A6, B5 1 Year onsite warranty	The equipment should be supplied, tested, and installed at the specified site.
26	Desktop Computer	1	6 th Gen Intel Core i5 Processor Windows 10 Home (64-bit) 8GB DDR4 RAM 1 TB HDD 2 GB DDR3 dedicated Graphic Card 10/100/100 Gigabit Ethernet LAN Wireless: Integrated Wireless 802.11 b/g/n Bluetooth support; Super Multi DVD burner Wireless optical mouse Wireless Keyboard Memory card reader 21.5" Slim IPS FHD Monitor 3 years Onsite Warranty	The equipment should be supplied, tested, and installed at the specified site.
27	UPS System	1	1.5 KVA UPS System with Battery pack 865 Watts / 1500 VA, Output 230 V 2 hours Backup	The equipment should be supplied, tested, and installed at the specified site.
28	Multipurpose printer	1	Printer Type: Laser; Mono Functions : Print, Copy, scan, fax Duplex printing Minimum Printing Speed (ppm): 25; Category : Duplex, ADF; Networking: YES	The equipment should be supplied, tested, and installed at the specified site.
29	DSLR Camera	1	Flash Memory Type : SD Included Components : 1 U (Including Rechargeable Battery NP- FW50, Lens (SELP1650), AC Adaptor AC-UB10, Shoulder Strap, Micro USB Cable, Lens Cap, Power Cord, Eyepiece cup - 1U each Screen Size : 3 Inches Display Type : LCD Image Stabilization : Yes Optical Zoom : 10 X Digital Zoom: 4 X Max Resolution : 24.3 Megapixels Optical Sensor Resolution : 24.3 Max Shutter Speed : Bulb Min Focal Length : 16 Miliimetres Video Capture Resolution : 1920 x 1080 Batteries included : No Continuous Shooting Speed : 11 Flash Modes Description : Auto / Flash Fill /Slow Synchro / Rear Off / Flash Off / Wireless / High Speed Sync Metering Description : Multi-Pattern / Centre Weighted / Spot Viewfinder Type : digital Has Audio Recording : Yes Has Auto Focus: Yes	The equipment should be supplied, tested, and installed at the specified site.

Diagram of the Leaf Plate Moulding Machine



Moulded Leaf Plate

Instructions for Online Bid Submission

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid 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: <http://eprocure.gov.in/eprocure/app>.

REGISTRATION:

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <http://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll" on the CPP Portal is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. 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.
4. 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 / TCS / nCode / eMudhra etc.), with their profile.
5. 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.
6. 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

1. 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.
2. 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 'My Tenders' 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.
3. 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

1. Bidder should take into account any corrigendum published on the tender document before submitting their bids.
2. 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 deviations from these may lead to rejection of the bid.
3. 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 formats. Bid documents may be scanned with 100 dpi with black and white option.
4. 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, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" 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

1. Bidder should login to the site well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
2. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. The Bidder has to select the payment option as "Offline" to pay the tender fee/ EMD as applicable and enter details of the instrument.
4. The Bidder should prepare the EMD as per instructions specified in the tender document. The Original should be posted / couriered/ given in person to the concerned official, latest by the last date 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.

5. A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bid in the format provided and no other format is acceptable. The bidders are required to download the BOQ file, open it and complete the white coloured (unprotected cells with their respective financial quotes and other details (such as the name of the bidder) No other details should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the file name. If the BOQ file found to be modified by the bidder, the bid will be rejected.
6. The server time (which is displayed on the bidders' 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.
7. 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 bid is maintained using the secured Socket Layer128 bit encryption technology. Data storage encryption of sensitive fields is done.
8. The uploaded tender documents must become readable only after the tender opening by the authorized bid openers.
9. 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.
10. Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet.

ASSISTANCE TO BIDDERS

1. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority or the relevant contact person indicated in the tender.
2. 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. The contact number for the helpdesk is 1204200462

General Instructions to the Bidders

1. The tenders will be received online through portal <http://eprocure.gov.in/eprocure/app>. In the Technical Bids, the bidders are required to upload all the documents in pdf format.
2. Possession of a Valid Class II/III Digital Signature Certificate (DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through <https://eprocure.gov.in/eprocure/app>. Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the website <https://eprocure.gov.in/eprocure/app> under the link "Information about DSC".
3. Tenderer are advised to follow the instructions provided in the "Instructions to the Tenderer" for the e-submission of the bids online through the Central Public Procurement Portal for e- Procurement at <http://eprocure.gov.in/eprocure/app>

KIND ATTENTION: FOR TAKING ASSISTANCE, IF ANY

CPP Portal website: www.eprocure.gov.in

CPP Portal Help Desk Toll Free No. 1204200462

**Sd/-
Administrative Officer**