

Council For Food Research And Development, Kerala

**TENDER FOR
SUPPLY, INSTALLATION AND COMMISSIONING
OF
DEHYDRATION PLANT AND MACHINERY TO PROCESS
2MT PER DAY FOR FRUITS AND VEGETABLES
INCLUDING INSTALLATION, CONNECTING TO MAINS
AND TRIAL PRODUCTION**

TURNKEY BASIS

AT

**COUNCIL FOR FOOD RESEARCH AND DEVELOPMENT (CFRD) KERALA
ELANJI, DIST. ERNAKULAM, KERALA**

TENDER NOTICE NO.: CFRD/K/68/15

Project Consultant

MITCON CONSULTANCY & ENGINEERING SERVICES LTD.

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Dr. Rajendra Prasad Marg, Shivaji Nagar, Pune – 5.

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Council For Food Research And Development, Kerala

DISCLAIMER

The information contained in this Tender Document (hereinafter referred to as “Tender” provided to the bidders, by **Council For Food Research And Development, Kerala** (hereinafter referred to as “**CFRD**”, or any of their employees or advisors, is provided to the Bidders on the terms and conditions set out in this Tender Document and all other terms and conditions subject to which such information is provided. The purpose of this tender document is to provide the Bidders with information to assist the formulation of their bids. This Tender document does not purport to contain all the information each Bidder may require. This Tender document may not be appropriate for all persons, and it is not possible for **CFRD**, their employees, consultants or advisors to consider the business / investment objectives, financial situation and particular needs of each Bidder who reads or uses this Tender document. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this Tender document and wherever necessary obtain independent advice from appropriate sources. **CFRD**, their employees, consultants, and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of the Tender document. **CFRD** may, in their absolute discretion, but without being under any obligation to do so, update, amend or supplement the information in this tender document.

DATE – 08/02/17

PLACE – KONNI, KERALA

Council For Food Research And Development, Kerala

SUMMARY OF WORKS QUOTED FOR 2 MT DEHYDRTION PLANT

AT

ELANJI, DIST. ERNAKULAM. KERALA

(FINANCIAL BID)

PART NO.	NAME OF WORK	PRICE QUOTED IN RS.
I	SUPPLY, INSTALLATION , COMMISSIONING AND TRIAL PRODUCTION OF DEHYDRATION PLANT& MACHINERY, INDIVIDUAL ITEMS OR COLLECTIVELY	
	TOTAL PRICE QUOTED	

In words:Rupees

.....only.

Seal & Signature of Contractor

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Council For Food Research And Development, Kerala

SECTION – 1

Notice Inviting Tender

Details about Tender: Tender Notice No. CFRD/K/68/2015

Name of the Corporation	:	Council For Food Research And Development (CFRD), Kerala
Contact Address	:	Council For Food Research And Development, Kerala Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala - 689692.Ph- 0468-2241144, email- cfrd2008@gmail.com , Fax :0468 2241144 & MITCON Consultancy &Engineering Services Ltd. 1 st Floor, 'Kubera Chambers', Dr.Rajendra Prasad Marg, Shivaji Nagar, Pune – 411005. Tel.: 020-66289141, 25534322, Fax: 020-25533206
IFB No. / Tender Notice No.	:	Tender Notice No. CFRD/K/68/2015 of 2016
Name of Project	:	Construction of Dehydration Unit at Elanji,Ernakulum, Kerala.
Name of Work	:	Phase (III) Supply, Install and Commissioning of Dehydration Plant& Machinery.
Estimated Cost	:	Rs.1,56,74,568.00/-
Period of Completion	:	Maximum 60 days from the date of Agreement
Bidding Type	:	Open
Bid Call (Nos.)	:	1
Tender Currency Type	:	Single
Tender Currency Settings	:	Indian Rupee (INR)
Joint Venture	:	Not Applicable
Amount Details		
Bid Document Fee (Non Refundable)	:	Rs. Nil (Document to be downloaded from Supplyco website).
Bid Document Fee Payable to	:	Nil
Bid Security / EMD (INR)	:	1% of Bid amount or Rs.1500/- whichever is higher
Bid Security / EMD in favour of	:	Council For Food Research And Development, Kerala
Security deposit /Performance Guarantee	:	5% of contract value

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Tender Dates	
Period of Tender Document issue	: 08/02/2017 Hrs. 11.00 to 26/02/2017 Hrs. 16.00 (to be downloaded from Supplyco website)
Pre-bid Meeting	: 17/02/2017 Hrs. 16.00 in the office of The Director, Council For Food Research And Development (CFRD) , Anakuthi, Perinjottakkal P.O., Konni, Pathanamthitta, Kerala – 689692, Ph.- 0468-2241144
Last Date & Time for Receipt (Submission) of Technical & Financial bid	: 27/02/2017 Hrs. 14.00
Date of Pre-qualification / Technical Bid opening	: 27/02/2017 Hrs. 15.00
Date of Financial bid Opening	: 27/02/2017 Hrs. 16.00
Bid Validity Period	: 90 days after opening of price bid
Submission of certain documents, etc. in person in the office	Submission of EMD and Other Documents on 06/03/2017 up to 15.00 or before Director, Council For Food Research And Development (CFRD) Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala – 689692. Ph.- 0468-2241144
Other Details:	
Officer Inviting Bids	: Director, Council For Food Research And Development (CFRD), Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala - 689692.
Bid Opening Authority	: Director, Council For Food Research And Development (CFRD), Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala - 689692.

General Terms and Conditions:

- The rights to reject any or all the tenders without assigning any reason are reserved.
- Conditional Tenders will not be accepted without E.M.D.
- The Tenders will be opened before the Appropriate Authority. The date and location of opening of the tenders will be communicated in advance to all the bidding contractors. The negotiations, if required will be done only with the contractor quoting the lowest rate in the tender.

Other Terms and Conditions as per detailed tender documents.

The Director,

Council for Food Research and Development (CFRD)

Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala - 689692.

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SECTION – 2

INVITATION OF BIDS:

1. Council For Food Research And Development(CFRD)., herein after referred to as “CFRD”, Kerala now invites sealed bids from the eligible bidders for the supply,Install and commissioning of Plant and Machinery for Dehydration Plant project at Elanji, Ernakulum, Kerala as specified in the tender document, location with key plan.
2. Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of The Director, Council for Food Research and Development, Anakuthi, Perinjottakkal P.O, Konni, Pathanamthitta, Kerala – 689692.
3. Detailed terms and conditions as well as the technical specifications for all items as indicated in the invitation of bid are contained in the bidding documents
4. The bids will be opened in the presence of those bidders or their authorized representative who choose to attend at the office of CFRD, Kerala on the specified date and time.
5. A pre-bid meeting with the bidders shall be held on the date as specified for clarification of doubts, if decided by CFRD.
6. CFRD, Kerala at its sole discretion and without assigning any reason thereof reserves the right to accept and/or reject any or all bids. CFRD also does not bind to accept the lowest bid.

SECTION – 3

INSTRUCTIONS TO BIDDERS / TENDERERS:

1. The period of completion shall be **maximum 60days** as specified from the date of agreement of award which shall include the non-working periods during monsoon and festivals.
2. The bidder shall bear all costs associated with the preparation and submission of his bid and CFRD will in no case be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
3. The bidder is advised to visit and examine the site of works and its surroundings and obtain for himself on his own responsibility all information that may be necessary for preparing the bid and entering into a contract. The costs of visiting site shall be at bidder's own expense.
4. The bidder shall furnish the appropriate Quote of the Machine or Equipment to be supplied as per the Specifications mentioned separately in the document, the prices should include Taxes applicable, Duties if any, Octroi, Transit Insurance, Transportation charges and all that charges to be included and Commissioning charges for each machine. **The price schedule must be inclusive of all expenses so as to arrive at the total landed cost of the unit, installation & commissioning as specified in the tender. No C form shall be issued by CFRD for any of the items covered in this tender whatsoever.**
5. The determination of award of contract will take into account the bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the bidder, as well as such other information as CFRD deems necessary and appropriate including details of experience and records of past performance.
6. Bids are invited in accordance with local competitive bidding procedures.
7. Bids containing deviations from bidding documents terms and other requirements may be rejected.
8. Bids not accompanied by bid security (earnest money deposit) shall be summarily rejected.
9. Non-compliance with even a minor technical requirement should be specifically stated by the bidders.
10. Bidders should furnish their complete address for the purpose of further correspondence pertaining to bidding document.
11. Corrections in the bid should be noted over and initialled at the place of corrections.

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12. Negligence of the bidder in preparing bid confers no right to withdraw the bid after it was opened.
13. Specifications, conditions, schedules and drawings of bidding document constitute an integral part of the bid.
14. All the bids, along with enclosures, drawings and technical literature, should be in English only.
15. All equipment, system and components should be designed to perform as per specifications in this bidding document under tropical conditions.
16. All the bidders should submit qualifications application in the given format with required documentation.
17. Bids should be kept valid for acceptance for a period of 90 days from the day bids are opened.
18. The bidding document shall be governed and interpreted according to the laws of the Union of India.
19. All bidders are urged to submit promptly written requests on matters where clarifications or additional information are desired, not later than seven days before bid are due for opening. No extension in due date of submission of bid will be allowed on this ground.
20. All the bidders should quote for the items as per the specifications and details given in this bidding document only. In case, alternative designs, etc. are to be offered by the bidders, they may do so but this should be stated separately in the offer. Council for Food Research and Development (CFRD) reserves its right to accept or reject such alternative offers, without assigning any reasons thereof to the bidders.

SECTION – 4

GENERAL TERMS AND CONDITIONS

This is a tender inviting offer for setting up of Dehydration Plant project in area of Elanji, Ernakulum, Kerala on installation and Trial production which includes Supply, installation and Commissioning of Plant and machinery and taking out a Trial production.

TENDER FORM

1.1 Tender form must be completed and returned together with the specifications including signed copy of this form, technical bids as per technical specifications and price bids along with Earnest Money Deposit (EMD) as prescribed in tender notice. The EMD must be in the form of Demand Draft drawn in favour of Council For Food Research And Development (CFRD), payable at Kerala on any nationalized or scheduled bank as specified in the tender document.

1.2 Technical Specifications and Brochures - One set of operation/ installation/maintenance manual including list of spares for the equipment shall be submitted in English.

1.3 Validity of tender – The tender must be valid for 90 days from the date of opening of price bid. The tender shall not be entitled during the said period without the consent in writing of CFRD, Kerala to revoke or cancel the offer or to vary the terms thereof. In case of the tenderer revoking or cancelling the offer or varying any terms in regards thereof during the period, the EMD received with the technical bid shall be forfeited by CFRD, Kerala.

1.4 All completed bid documents and enquiries regarding clarification in connection with this tender as specified in the E Tendering procedure shall be addressed to:

**The Director,
Council for Food Research and Development (CFRD)
Anakuthi, Perinjottakkal P.O, Konni,
Pathanamthitta, Kerala – 689692.**

**Tel –0468-2241144
Fax –0468-2241144**

1.5 Language – The tenderer shall quote the rates in English language and international numerals. The rate shall be in whole numbers. These rates shall be entered in figures as well as in words. In the event of the order being awarded, the language of all services, manuals, instruction, technical documentation etc. provide for under this contract will be English.

2. CONTENTS OF TENDER

The tender will be in two parts:

2.1 Part –I (Technical)

- 2.1.1 The tender form completed in all respects.
- 2.1.2 EMD in the manner specified in the general terms and conditions at Sr.no1.1
- 2.1.3 Power of attorney/authorization with a seal of the company, of personsigning the bid documents.
- 2.1.4 Technical documentation including one set of inspection and maintenancemanuals, drawings etc.
- 2.1.5 Deviation sheets from tender specifications and optional offers, if any.
- 2.1.6 List of customers, to whom similar equipment has been supplied.
- 2.1.7 List of similar works/installations with cost carried out in last three years.

A statement showing Sr. No., Company Name, Name of Work, Cost of each Project / P.O. Price, year wise in descending order showing Start date and end date of the project (MM/DD/YYYY) during the last preceding three years (Documents should also be submitted Chronologically as per the statement).

- 2.1.8 List of key personnel, technical staff and their experience in carrying out similar jobs/works.
- 2.1.9 Latest Income Tax clearance certificate.

2.2 Part –II (Commercial)

Will contain the pricing schedule indicating cost of all equipment's. Tender requirements, including cost of spares, training, installation, warranty offered etc.

2.3 Parts I and II of the tender shall be submitted in SEPARATE SEALED ENVELOPES with the tender no., name of work and part no. as appropriately indicated on the top of envelope.

3. REJECTION AND RETURN OF TENDER:

- 3.1 CFRD, Kerala reserves the right to reject any or part of tender or all without assigning any reason. The documentation submitted by tenderers shall not be returned in case the technical offer is not acceptable unless the tenderer expressly states his request at the time of submission of their tender that tender documentation be returned. The cost for returning the document shall be borne by the tenderer. CFRD, Kerala also reserves the right at its sole discretion not to award any order under the tender call. This decision does not commit CFRD, Kerala to pay any costs or loss incurred in the preparation and submission of any requisite tender or technical proposal or to procure or contract for any of the items described herein.

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- 3.2 If the tenderer deliberately gives wrong information in his tender, CFRD, Kerala reserves the right to reject such tender at any stage or to cancel the contract, if awarded, and to forfeit the earnest money and invoke performance guarantee.
- 3.3 Canvassing in any form in connection with the tenders is strictly prohibited and the tenders submitted by the contractors who resort to canvassing are liable for rejection.
- 3.4 Tender in which any of the particulars and prescribed information are missing or are incomplete, in any respect and /or prescribed conditions are not fulfilled, shall be considered non-responsive and is liable to be rejected.

4. PROCEDURES FOR OPENING OF TENDER DOCUMENTS

- 4.1 Part-I containing technical part of the offer and EMD will be opened on as stated in section no. 1.
- 4.2 Part-I of the tenders accomplished with required earnest money shall be scrutinized by CFRD, Kerala to ensure whether the same are in conformity with the technical requirements. Subsequent queries of CFRD, Kerala, if any on the technical details, clarifications or any other information should be replied positively within the time specified, failing which tenders shall be finalized on the basis of the information available. It shall, therefore, be in the tenderer's interest to give complete and comprehensive technical particulars/description and details.
- 4.3 All the tenders have been technically examined and necessary clarifications etc. have been obtained eligible bidders will be called for presentation as stated in Section I. After technical evaluation financial bid of the eligible bidders will be opened.
- 4.4 No correspondence shall be entertained from the tenderers after the opening of financial bid.

5. STANDARD CONDITIONS

- 5.1 Standard printed conditions of the tenderer if attached to the offer will not be accepted and only those mentioned in body of the tender will be considered. Any deviation or departure from the provision of the tender condition must be clearly brought out indicating full particulars and reasons for deviations along with a deviation statement indicating against each item. Unless specifically brought out, the goods offered shall be considered to comply in every respect with the terms and conditions contained in the specifications.
- 5.2 All entries in the tender shall preferably be typed. All cancellations and insertions shall be duly attested by the tenderer.
- 5.3 Tenderer's offers, remarks and deviations shall be with reference to sections and clause numbers given in the tender schedules.

5.4 In the case of Indian companies, the consent of the concerned foreign company(IES) and the relevant experience of the foreign company (IES) should be clearly mentioned. The consent of the foreign associates should also be submitted along with tender documents. Change of the foreign company association will not be allowed at a subsequent stage without prior approval of CFRD, Kerala.

6. AWARD OF CONTRACT

6.1 The acceptance of the tender will be intimated to successful tenderer by CFRD, Kerala either by email / telegram / cable or by letter or like means.

6.2 The work under the contract is on turnkey basis. The contract shall be awarded to the tenderer on a single source responsibility basis and breach in any part or portion of contract shall be considered as a breach of the contract.

7. CORRESPONDENCE

7.1 All correspondence with CFRD, Kerala would be directly by the tenderer or his authorized representative only. Correspondence through agents or unauthorized representative will not be allowed.

8. STANDARDS

8.1 All designs, materials manufacturing techniques and workmanship shall be in accordance with highest accepted international standards for this type of equipment.

8.2 The tender shall also state, where applicable, the national or other international standard (s) to which the whole or any specific part, of the equipment or system complies.

8.3 In addition to any other information/description, the tenderers may wish to provide, the features/performance figures specified /indicated with supporting documents/calculations. All figures indicated by the tenderers must be fully qualified and subject to coordinated performance.

9. TENDER DOCUMENTATION

9.1 TECHNICAL SCHEDULE

9.1.1 General supporting documents: Each offer shall be supported by adequate technical documentation comprising equipment lists, makes data sheets, performance sheets, illustrations, technical brochures, block diagrams, layout drawings, dimensioned sketches etc., to facilitate a full and complete appreciation of the systems and equipment under offer and to enable a detailed comparative evaluation of all specified parameters.

9.2 TIME SCHEDULE

9.2.1 The tender shall submit with the tender a proposed schedule for the delivery and installation of equipment, with date of commissioning of the project.

9.3 TIME OF COMPLETION

At present we expect the following schedules of activities:

I	Last date of submission of offers	:	As specified
II	Evaluation of offers and issue of letters of intent	:	Within 15 days from the date of opening of offer.
III	Opening of letter of Credit and execution of agreement and or payment of mobilization advance (if applicable / accepted)	:	Within 30 days from the Receipt of approval from the Govt. of Kerala / concerned authority of Govt. of Kerala.
IV	Date of commissioning of the Project	:	Maximum 60 days from the date of agreement

Please confirm that you would be able to commission the project by the targeted dates.

Please note that TIME IS ESSENCE OF THE CONTRACT. In case of delay in completion, penalty shall be levied @ ½ % per week or part thereof of the first two weeks and 1% of the total contract value per week or part thereof for further delay subject to maximum of 10 % of the contract value at the discretion of CFRD.

9.4 DELAY AND NON PERFORMANCE

9.4.1 In case of implementation schedule not being adhered to CFRD, Kerala has the right to cancel the order wholly or in part without any liability to pay cancellation charges and procure the goods elsewhere in which case the successful tenderer shall make good the difference between the cost of goods procured elsewhere and price set forth in the order with the successful tenderer.

9.4.2 In the event of rejection of non-conforming goods, the successful tenderer shall be allowed to correct the non-conformities without extension in delivery period. If successful tenderer fails to do so within the stipulated time, the purchaser shall have the right to take recourse to above para.

9.4.3 The successful tenderer shall be solely responsible to ensure the following:

- a) Sound packing of all items.
- b) Shipment of items by the due date as specified in the contract.
- c) Insurance
- d) Custom clearance and handling of items at port of entry in India. Any Demurrages incurred due to non-clearance of goods from customs will be to the account of successful tenderer.
- e) Forwarding and transshipment of items up to destination.
- f) Insurance for inland transshipment.

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- g) Receipt of equipment at site and their safe custody till they are installed, tested and commissioned and the spares handed over to the engineer-in charge.
- h) Installation, testing and commissioning of the installation as per the contract.
- i) Handing over the installation to authorized representative of Council For Food Research And Development (CFRD), Kerala.

9.5 TERMS OF PAYMENT

The terms of payment shall be as per the details given below. The payment shall be released after verification & certification by consultant.

- (A)** 10% mobilization advance against an irrevocable bank guarantee of equal amount and after execution of contract agreement.

(B) FOR PLANT & MACHINERY FOR DE HYDRATION PLANT & OTHER RELATED MACHINERIES.

(I) ADVANCE & SUPPLY:

- (a) For indigenous component of the contract: 60% will be released against delivery of material at site on pro-rata basis.
- (b) For foreign supplies of the contract, if any: An irrevocable letter of credit for 75% of the FOB value of the plant and equipment to be released on submission of shipping documents and certificate of inspection from any authorized agency designated by CFRD, Kerala and 10% against delivery of the material at site.

(II) ON ERECTION & COMMISSIONING:

20% of the contracted amount to be released on successful commissioning of the whole facility and uninterrupted operation of the same for a minimum period of 30 days.

(III) WARRANTY

The balance 10% shall be retained by CFRD, Kerala for the period of warranty which shall be one year from the date of commissioning and trial runs duly certified by the consultant. However, CFRD, Kerala may consider release of this 5% amount against submission of Performance bank guarantees for a like amount.

9.6 PRICES FOR IMPORTED ITEMS:

The tenderer shall quote prices for imported items separately for each part including indigenous components, imported components, erection, and supervision & commissioning of the project wherever applicable.

9.6.1 Taxes and Duties

Any customs duty levied by the Government of India on the import of equipment which will become the property of CFRD, Kerala shall be to the account of tenderer.

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9.6.2 Any customs duty and other taxes, if any, levied by the Government of India on left behind items, damaged items, short supplied items, free replacement items against warranty, claims etc. imported parts, if any, shall be to the tenderers account with actual service charges for clearing these items from the port.

9.6.3 Liability on account of works contract Act and any other laws shall be borne by the contractor.

9.7 SPARES

9.7.1 All the spares of the equipment under contract will strictly conform to the specification and documents and will be identical to the corresponding main equipment/components supplied under the contract and shall be fully interchangeable. The quantity of spares recommended by the manufacturer shall be justified and the spares recommended shall have the part number as per manufacturer's standard.

9.7.2 The quality standards and the inspection requirement finalized for the main equipment will also be applicable to the corresponding spares.

9.7.3 The successful tenderer shall warrant that all spares supplied will be new and in accordance with the contractual document and will be free from defects in design, material and workmanship.

9.7.4 In addition to the spares recommended by the successful tenderer, if CFRD, Kerala further identifies certain particular items of spares the successful tenderer will submit the prices and delivery period for such spares within 30 days of receipt of such request with a CFRD, Kerala and placement of order for additional spares, if CFRD, Kerala so desires.

9.7.5 The tenderer shall submit a list of maintenance spares for a period of two years maintenance.

9.7.6 The spares recommended shall be for the purpose of maintenance which requires replacement within two years of commissioning of the system during regular operation.

9.7.7 The rates shall be quoted for each item of spares recommended.

9.7.8 CFRD, Kerala reserves the right to place order for increased or decreased quantity of the recommended spares.

9.7.9 The recommended spares shall not get damaged due to normal atmospheric storing conditions.

9.7.10 While supplying the spares shall have a tag showing the part no. And name of item for easy identification on later date.

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9.7.11 The successful tenderer shall guarantee the long term availability of spares to the buyer for the full life of the equipment (estimated to be 10 years). The successful tenderer shall guarantee that before going out of production of spare parts of the equipment covered under the contract, successful tenderer shall give CFRD, Kerala at least twelve (12) months advance notice so that the latter may order its bulk requirement of spares, if CFRD, Kerala so desires. The same provision will also be applicable to subcontractors, if any. Furthermore, in case of discontinuance of manufacture of any spares by the successful tenderer or his subcontractors, the tenderer will provide CFRD, Kerala, one year in advance, full manufacturing drawings, material specifications and technical details required by CFRD, Kerala for the purpose of manufacture of such items.

9.7.12 Furthermore, in case of discontinuance of supply of spares by the successful tenderer or his subcontractor the tenderer will provide CFRD, Kerala with full information for replacement of such spares; with other equivalent makes, if so required by CFRD, Kerala.

10. EARNEST MONEY

10.1 The Earnest Money Deposit (EMD) as prescribed in terms & conditions as specified shall accompany each tender. The EMD shall be furnished in the form of a crossed demand draft in favour of Council for Food Research and Development (CFRD). Payable at Kerala from any nationalized or scheduled bank in India. The demand draft shall be valid for a minimum period of six months.

10.2 The EMD of the successful tenderer shall be returned after the tenderer provides the performance guarantee as per Annexure-I enclosed.

10.3 If the successful tenderer fails to submit the performance guarantee and fails to enter into a contract with CFRD, Kerala within 30 calendar days after the acceptance of bid and award of contract, the EMD amount shall be forfeited.

10.4 The EMD of all the tenderers except first, second and third lowest tenderers will be returned within thirty days of opening of the price bid. The EMD amount of all other unsuccessful tenderers will be returned only after the contract has been awarded to the successful tenderer (whose EMD will be retained).

10.5 Any tender not accompanying with EMD in the said form will be considered non-responsive and rejected.

10.6 No interest or any other expenses, whatsoever, will be payable by CFRD, Kerala on the EMD by the tenderer in any manner.

11. PERFORMANCE GUARANTEE

- 11.1 The tenderer, whose tender has been accepted, shall within 30 calendar days of the issue of the letter of acceptance of bid, shall submit the unqualified performance guarantee of 5 % (5 per cent) of the total contract price to CFRD, Kerala in the form of an irrevocable and unconditional bank guarantee of a Nationalized Bank in India, or international bank of repute supported by back to back guarantee of a Nationalized bank in India as per Performa attached at Annexure –I. the guarantee shall be valid till the expiry of 90 days after the end of the guarantee period (i.e. 12 months) after the date of commissioning of the project.
- 11.2 The performance guarantee amount shall be payable to CFRD, Kerala without any condition whatsoever and the guarantee shall be irrevocable.
- 11.3 The performance guarantee shall be deemed to govern the following guarantees from the successful tenderer, in addition to the other provisions of the guarantee:
- a) Guarantee against non-performance of contract as per agreement.
 - b) Successful and satisfactory operation of the equipment supplied in accordance with the specifications & other relevant documents.
- 11.4 The equipment supplied shall be free from all defects and designs, material and workmanship upon written notice from CFRD, Kerala, the successful tenderer shall fully remedy free of expenses to CFRD, Kerala or such defects as developed under the normal use of the said equipment within the guarantee period of 24 months. No recovery of security deposit shall be made from running bills of contractor once the contractor has submitted performance guarantee.
- 11.5 The performance guarantee is intended to secure the performance of the entire equipment. However, it is not to be construed as limiting the damages stipulated in any other clause.
- 11.6 The performance guarantee will be returned to the successful tenderer at the end of the period of liability without interest.

12. COMPARISON AND EVALUATION OF TENDERERS

- 12.1 The exchange rate for the purpose of comparison and evaluation will as per RBI on the day of opening of price bid, if applicable.

13. CORRECTION IN BID

- 13.1 All changes, alterations, corrections in the bid shall be signed in full by the person (s) signing the bid, with date. Overwriting is/are not permissible. Corrections should be authenticated.

14. GUARANTEE

- 14.1 All goods or material shall be strictly in accordance with the specifications. No deviation from such specifications of these conditions shall be made without CFRD'S agreement in writing which must be obtained before any work against the order is commenced. All materials furnished by the successful tenderer pursuant to the order (irrespective of whether engineering/design or other information has been furnished, reviewed or approved by CFRD, Kerala) are guaranteed to be of the best quality of their respective kinds (unless otherwise specifically authorized in writing by CFRD, Kerala) and shall be free from faulty design. The goods/material used by the successful tenderer audits workmanship should be of proven quality so as to fulfil in all respects the operating conditions and other requirements specified in the order.
- 14.2 If any trouble or defect originating with the design, materials, workmanship or operating characteristic of any materials arise within any time prior to 24 months from the date of completion of work as mentioned in the completion certificate and the tenderer notified thereof, the tenderer at his own expense and at no cost to CFRD, Kerala as promptly as possible make such alterations, repairs and replacements at site as may be necessary to permit the functioning of the equipment or replaced goods shall be guaranteed for a period of 18 months from the date of shipment or 12 months from the date of reinstallation whichever expires later.
- 14.3 CFRD, Kerala may at its option remove such defective material at the tenderer's expenses, if the tenderer does not act after being informed. The tenderer shall make good the replacement in kind or cash.
- 14.4 In the event that the materials supplied do not meet the specifications and/or are not in accordance with the drawings, data sheets and rectification is required at site, CFRD, Kerala shall inform the tenderer giving full details of deficiencies so as to meet CFRD, Kerala specifications.

15. PATENTS, SUCCESSFUL TENDERERS LIABILITY & COMPLIANCE OF REGULATIONS.

- 15.1 Successful tenderer shall protect and fully indemnify CFRD, Kerala from any claims for infringement of patents, copy right, trade mark or the like.
- 15.2 Successful tenderer shall also protect and fully indemnify CFRD, Kerala from any claims from successful tenderer's workmen/employees, their heirs, dependants, representatives etc. or from any other persons(s) or bodies/companies etc. for any act of commission or omission while executing the order.
- 15.3 Successful tenderer shall be responsible for compliance with all requirements under the laws and shall protect and indemnify completely CFRD, Kerala from any claims/penalties arising out of any infringements and indemnify completely CFRD, Kerala from any claims/penalties arising out of any infringements.

16. SUBSTITUTION AND WRONG SUPPLIES

16.1 Unauthorized substitution of materials delivered in error of wrong description or quality or supplied in excess quantity or rejected goods shall be returned to the successful tenderer at his cost and risk.

17. FORCE MAJEURE

17.1 CFRD, Kerala may grant an extension of time limit set for the completion of the work in case the timely completion of the work is delayed by force majeure beyond the contractor's control, subject to what is stated in the following sub-paragraphs and to the procedures detailed there in being followed. Force majeure is defined as an event of effect that cannot reasonably be anticipated such as acts of God (like earthquakes, floods, storms etc.) acts of Govt., The direct and indirect consequences of wars (declared or undeclared), hostilities, national emergencies, civil commotion and strikes (only those which exceed a duration of ten continuous days). The successful tenderer's right to an extension not the time limit for completion of the work in above mentioned cases is subject to the following procedures :-

17.2 That within 10 days after the occurrence of a case of force majeure but before the expiry of the stipulated date of completion, the seller informs CFRD, Kerala in writing that the successful tenderer considers himself entitled to an extension of the time limit.

17.3 That the successful tenderer produces evidence of the date of occurrence and the duration of the force major in an adequate manner by means of documents drawn up by responsible authorities.

17.4 That the successful tenderer proves that the said conditions have actually been interfered with the carrying out of the contract.

17.5 That the successful tenderer proves that the delay occurred is not due to his own action or lack of action.

17.6 Apart from the extension of the time limit, force major does not entitle the successful tenderer to any relaxation nor to any compensation of damage or loss suffered.

18. SETTLEMENT OF DISPUTES AND ARBITRATION

18.1 Except where otherwise provided for in the contract, all questions and disputes relating to the meeting of the specifications, designs, drawings and instructions herein before mentioned and to the quality of workmanship or materials used on the work or as to any other question, claim, right, matter or thing whatsoever in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works or the execution or failure to execute the same whether arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

- (i) If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or

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decision given in writing by the Divisional Manager CFRD on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable, he shall promptly within 15 days request the Director in writing for written instruction or decision. Thereupon, the Director shall give his written instructions or decision within a period of one month from the receipt of the contractor's letter. If he fails to give his instructions or decision in writing within the aforesaid period or if the contractor is dissatisfied with the instructions or decision of the Director, the contractor may, within 15 days of the receipt of Director's decision, appeal to the Director, CFRD, Kerala who shall afford an opportunity to the contractor to be heard, if the latter so desires, and within 30 days of receipt of contractor's appeal.

(ii) Except where the decision has become final, binding and conclusive in terms of Sub Para (i) above disputes of difference shall be referred to the sole arbitrator namely Director, CFRD, Kerala. Arbitration and Conciliation Act, 1996 and the rules made there under or statutory modifications thereto for the time being enforced.

(iii) The contractor shall not have any lien on the site on the work in process for his dues. In case of dispute of any nature the contractor should handover the site/work in progress, if so directed to the party irrespective of pending settlement of his dues so as to enable the party to get the work completed from some other contractor of his choice.

19. LAWS GOVERNING THE CONTRACT

All questions, disputes or differences arising under the out of, or in connection with the contract if concluded shall, if required to be referred to any court of law, be referred to the courts at Ernakulam and the said court only shall have the jurisdiction and decide matters according to the laws of India.

20. COMPLETION CERTIFICATE

20.1 Within 10 days of completion of the work, the successful tenderer shall send information in writing to the C.E.O, CFRD. Within 10 days of receipt of information the Director, CFRD or his representative, & Project Consultant shall inspect the work and if found satisfactory without any defect, issue a completion certificate. Otherwise provisional completion certificate shall be issued mentioning the defects (a) To be rectified by the contractor and/or (b) For which payment will be made at a reduced rate. But no completion or Provisional certificate will be issued till the contractor clears the site of all temporary structure, scaffolding etc. which was provided by the contractor for the execution of the work. In case of failure of the contractor to remove such structures at the cost of the contractor and dispose through public auction. The proceeding of the auction shall be paid to the contractor after reducing the expenditure incurred.

21. INSPECTION OF SITE

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Every tenderer is expected to inspect the site of the proposed work to acquaint himself with the site conditions, approaches, availability of raw material, geological and weather conditions etc. before quoting.

22. The tenderer shall submit all the documents, as specified in terms & conditions.
23. Power and water supply for construction and erection. Arrangement for power electric supply and water supply, necessary for the construction and erection job shall be the entire responsibility of the respective contractor, who shall allow sufficient coverage for the same in his quotation as no extra cost shall be allowed by the owner on these or any other allied account. The cost which will be incurred for the construction and erection, the entire execution and fulfilment of contract shall have to be borne by the contractor. It is to be clearly understood that, the owner will not be responsible for and failure and or shortage of power / water supply during the course of execution of the work. No extra payment whatsoever is admissible on this account. The contractor shall ensure that, the works pertaining to the water supply and electricity are to be carried out strictly in accordance with the current Gram-Panchayat and other relevant regulations in force. The expenses like the statutory fees etc. legally payable to the supply authorities and / or to the Gram-Panchayat authorities or to any other authorities, will be borne by the CFRD, however, it will be responsibility of the contractor to follow up and get work completed as required.
24. Co-ordination of contractors with others. The contractor shall be responsible for the coordination and scheduling of his work with the works of the contractors or agencies undertaking the following items of work since the work is awarded on total turnkey basis.
 - a) Construction of civil work
 - b) Sanitary plumbing and water supply.
 - c) Electrical
 - d) Erection of Dehydration plant & cold storage Plant,
 - e) Telephone conducting work and any other works not forming part of this contract.

The contractor shall also be responsible to attend upon each trade and sub-contractor, nominated or otherwise and rectify and repair the general works done by them which may have been disturbed by the process of various trades and sub contractor's work to the satisfaction of the "Representative of CFRD" and leave the buildings in clean, tidy, neat ready for immediate occupation, all at his own cost.

Annexure – I

PROFORMA OF BANK GUARANTEE FOR PERFORMANCE GUARANTEE

To,
The Director,
Council for Food Research and Development (CFRD).
Anakuthi, Perinjottakkal P.O, Konni,
Pathanamthitta, Kerala - 689692.
PH No. 0468-2241144
Fax No. 0468-2241144
Dear Sir,

In consideration of CFRD, Kerala (hereinafter referred to as the "Owner" which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s. _____ (hereinafter referred to as the 'Contractor' which expression shall unless repugnant to the context of meaning thereof, include its successors, administrators executors and dated _____ and the same having been unequivocally accepted by the contractor resulting in a Contract bearing No. _____ dated _____ valued at _____ for agreed to provide contract performance guarantee for the faithful performance of entire contract equivalent to the said value of the contract to the owner.

We _____ (name and address) having its head office at _____ (hereinafter referred to as the 'Bank' which expression shall unless repugnant to the context or meaning thereof, include the successors administrators, executors and assigns) do hereby guarantee and undertake to pay the owner, on demand any and all money payable by the contractor to the extent of as aforesaid _____ at _____ any _____ time _____ upto _____.

Without any demur, reservation, contest, recourse or protest and /or without any reference to the contractor. Any such demand made by the owner on the bank shall be conclusive and binding notwithstanding any difference between the owner and contractor or any dispute pending before any court tribunal or any authority. The bank undertakes not to revoke this guarantee during its currency without previous consent of the owner and further agrees that the guarantee here in contained shall continue to be enforceable till the owner discharges this guarantee. The owner shall have the fullest liberty, without affecting this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the contractor, and to exercise the same at any covenants, contained or implied, in the contract between the owner and contractor or any other course of or remedy or security available to the owner. The Bank shall not be released of its obligations under these presents by any exercise by the owner of its liberty with

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reference to the matter aforesaid or any of them or by reason of any other acts of omission or commission on the owner or by any other matters or thing whatsoever which under law would, but for this provision, have the effect of relieving the bank. The bank also agrees that the owner at its option shall be entitled to enforce this guarantee against the bank as principal debtor, in the first instance without proceeding against the contract and notwithstanding any security or other guarantee that the owner may have in relation to the contractor's liabilities.

The bank further agrees with the owner that the owner shall have the fullest liberty without our consent any without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance of the said contractor from time to time or to postpone for any time or from time to time any of the powers exercised by the company against the said contractor and to forbear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation or extension being granted by the said corporation to the said contractor or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in the constitution of the bank or the contractor.

The bank lastly undertakes not to revoke this guarantee during its currency except with the previous consent of the owner in writing.

Notwithstanding anything contained herein above, our liability under this guarantee is restricted to a sum of Rs. _____ and the guarantee shall remain valid till _____ unless a claim or action to invoke the guarantee is received in writing by us on or before _____ all your rights under the guarantee shall be forfeited and the bank will be relieved and discharged of its liabilities there under.

SECTION 5

ELIGIBILITY CRITERIA AND BID EVALUATION PROCEDURE

1.0 ELIGIBILITY CRITERIA:

The Bidder should be fulfilling the following minimum eligibility criteria and must also submit documentary evidence in support of fulfilment of these criteria while submitting the technical bids. Claim without documentary evidence will not be considered. The eligibility criteria and documentary evidence required are as follows:

Sl. No.	Eligibility Criteria	Documentary Evidence to be attached
1.0	The Bidder should have an average Yearly annual turnover of more than Rs.2.00 Crores (Rs. TwoCrore only) in AgroIndustries, during the last three financialYears ending March, 31 st 2016.	1. Audited financial statements duly certified by chartered accountant for the last three financial years ending March, 31st, 2016 who has audited the Balance sheets indicating the turnover during each year, from Agro Industries In addition to financial statements, copies of Purchase Orders should be submitted. 2. Balance sheets / IT return copies. (If applicable, IT Clearance Certificate or a copy of circular issued by the Government of India indicating "IT Clearance certificate not required" may be submitted.)
2.0	The Bidder should have executed at least one project on TURNKEY BASIS having project cost of more than 1.50 Crores (Rs. OneCrore Fifty lakhs only) or three projects of at least Rs. 60Lakhs each in the Agro or Horticulture in the last three financial years ending March, 31st, 2016.	Certificate from the project client for award of contract and stage of satisfactory project completion (in terms of value) in original or its notarized copy for each project claimed.
3.0	The Bidder should submit a latest solvency certificate from banker for a Minimum value of Rs. 1.00 Crore for the Project.	Solvency certificate from Banker forRs. 1 Crore.

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Director, CFRD reserves the right to verify the claims made by the Bidder and to carry out the capacity assessment of the bidder and Director, CFRD's decision shall be final in this regard.

2.0 TENDER EVALUATION:

The evaluation and comparison of the bids shall be done for the technical as well as financial aspects. The method for the same is detailed below:

2.1 Technical Bid Evaluation:

The evaluation criteria for the technical bid for project as specified in the tender will be as follows:

Sr. No.	Evaluation Criteria	Documents details required
1.0	Team Profile – (Manpower available for execution of the (these) project(s))	List of team members (Experts) with their bio data & role to be played in the project duly signed by each member.
2.0	Presentation	The presentation shall include the details about company profile, related projects executed and how the project Under consideration shall be executed.
3.0	Experience in turnkey implementation of De-hydration projects	Year wise list of projects executed /being executed with technical details & cost of each project with certificate from each project client to this effect, during the last five financial years ending March, 31st, 2016.

THE CONSORTIUM SHALL BE ALLOWED ONLY FOR MAXIMUM THREE.

Evaluation shall be carried out based on the above parameters and the data and documents provided by the Bidders in support of their claims. The tender committee shall have the right to verify the claims made by the bidders, in whichever way it deems fit. Based on the bid evaluation, only technically qualified bidders shall be short listed. The financial bid of only the short listed Bidders shall be opened.

2.2 Financial Bid Opening:

The total cost of each project (landed cost) quoted by the bidder would be considered for financial bid opening.

The technically qualified bidder with lowest total cost of the project would be the preferred bidder in each project.

2.3 Selection Methodology:

2.3.1 The Financial Offers of those Technically qualified Bids would be opened and then ranked in ascending order based on the total price quoted, with the bidder quoting the lowest price being ranked first and the bidder quoting the second highest ranked as second and so on.

2.3.2 The bidder ranked first in accordance with the above procedure would be declared as the Preferred Bidder.

2.3.3 In case there are two or more bidders quoting the same price, the bidder whose technical experience more will be treated as preferred bidder.

2.3.4 CFRD reserves the right to reject any bid, if:

- a) At any time, a material misrepresentation is made or discovered, or
- b) The bidder does not respond promptly and diligently to requests for supplemental information required for the evaluation of the bid.
- c) Rejection of a bid by CFRD as aforesaid would lead to the disqualification of the bidder. If such disqualification / rejection occur after the bids have been opened and the preferred bidder gets disqualified / rejected, then CFRD reserves the right to:
 - i. Either select the next best bidder, or
 - ii. Take any such measure/s as may be deemed fit in the sole discretion of CFRD, including annulment of the bidding process.

2.3.5 The preferred bidder's financial offer may be compared with Estimated Project Cost and also with other bidders and in case the financial offer is found to be not in

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conformity / in the range / in line, then CFRD reserves the right to negotiate with preferred bidder and may ask for additional guarantee in whatever manner it may deem fit and even after negotiations, if the final offer is found to be differing widely with Estimated Project Cost, then CFRD reserves the right to cancel the tender. CFRD's decision in this context shall be final and binding on all bidders.

- 2.3.6 In the event of acceptance of the preferred bidder with or without negotiations, CFRD shall declare the preferred bidder as the Successful Bidder. CFRD will notify the successful bidder through a Letter of Intent (hereinafter referred to as LOI) that its bid has been accepted.
- 2.3.7 The successful bidder shall execute the contractual agreement with CFRD within period specified by CFRD of the issue of LOI or within such further time as CFRD may agree to in its sole discretion.
- 2.3.8 Failure of the successful bidder to comply with the requirements of Clause 2.3.6 shall constitute sufficient grounds for the annulment of the LOI, and forfeiture of the EMD. In such an event, CFRD reserves the right to
- a) Either invite the next best bidder for negotiations or
 - b) Take any such measure/s as may be deemed fit in the sole discretion of CFRD, including annulment of the bidding process.
- 2.3.9 Information relating to the examination, clarification, evaluation and recommendation for the short listed bidders would not be disclosed to any person not officially concerned with the process. CFRD would treat all information submitted as part of the bid in confidence and will ensure that all who have access to such material treat it in confidence. CFRD would not divulge any such information unless ordered to do so by any Government Authority that has the power under law to require its disclosure.
- 2.3.10 To assist in the examination, evaluation, and comparison of bids, CFRD may utilize the services of Consultant(s) or Advisor(s).

2.4 Bid Evaluation Committee:

A tender evaluation committee decided by Director, CFRD shall do the above evaluation. The committee shall determine the approach and methodologies for the issues, which may arise during the above, referred evaluation exercise and have not been addressed in this Tender Document. The decision of the committee shall be final and binding on all the bidders.

The successful bidder shall be responsible for training of the working personnel of CFRD or their representative / client for the operation and maintenance of the entire plant for at least 14 days or more for Hand Holding till intricacies regarding operation and maintenance are resolved.

SECTION – 6

BASIC FUNCTIONAL REQUIREMENTS

The following are the basic requirements for 2 MT Dehydration Plant at Elanji, Ernakulum Kerala.

Following are the list of Plant & Machinery required for Dehydration Plant.

2 MT Dehydration of Fruits and Vegetables per day				
Sl. No.	Particulars	Qty	Rate	Amount INR
1	Electronic Weighing Scale Platform Type- 200 kg cap	2		
2	Electronic Weighing Scale Platform Type- 20 kg cap	2		
3	Inspection Cum Grading Table with heavy duty foot cap	5		
4	Fruit & Vegetable Washing and drying system with 200 kg capacity with conveyor and Water purification and reuse system	1		
5	Root Vegetable Washing Cum Peeling Machine	2		
6	Fruit and vegetable cutter with 200 kg capacity per hr should cut to regular shapes of various thickness	1		
7	Vegetable Dicer	2		
8	Drier conveyor type to deliver dried material with 15 to 10% moisture 500 kg in 6hrs	1		
9	Tray Drier of 65 kg cap* *the number may vary with price	12		

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10	Automatic Weighing, form fill seal machine with vacuuming and nitrogen flushing facility	1		
11	Batch Coding Machine	2		
12	Metal Detector	1		
13	Carton Strapping machine	1		
			Total	

SECTION - 7

TECHNICAL SPECIFICATIONS OF PLANT AND MACHINERY FOR DEHYDRATION PLANT

<i>Sl. No.</i>	<i>Particulars</i>	<i>Specifications</i>
1	Electronic Weighing Scale Platform Type- 200 kg capacity.	SS Platform, ISI mark and BIS specified with Legal Metrology approved. Scale to have LED display, 5 digits, with indications AC on, Net/Gross Wt, Zero tare, and Battery Low. 200kg Capacity least count of 10 gms
2	Electronic Weighing Scale Platform Type- 20 kg capacity.	SS Platform, ISI mark and BIS Specified with Legal Metrology approved. Scale to have LED display 5 digits, with indications AC on, Net/Gross Wt, Zero taring, and Battery Low. 20kg Capacity least count of 1gms
3	Inspection Cum Grading Table with heavy duty foot, Material of construction is SS 304 .	Table Top: SS304 with Mirror Polish. Frame: SS304 heavy duty rubber caps. Dimensions: LXWXH,2400X2000X750 MM Two Chutes at corners along length side to push unwanted material.
4	Fruit & vegetable Washing and drying system with 200 kg capacity with conveyor, water jet, air jet and used water purification and recycling system.	Capacity 200 kg per hr will have a inlet hopper from the inlet hopper the material will be carried on a conveyor till the outlet. The conveyor will pass through two chambers where in first chamber water at 5PSIG pressure capacity which is adjustable from 0.5 to 5psig. The second chamber is to have dry air at 0.5 to 1 psig so that the material coming out of washer will be dry. The above equipment will also have additional system for collection of washed water, filter, purify and disinfect the water for reuse. All the contact parts of machine coming in contact with food materials will be made of SS304 or food grade Teflon.
5	Root Vegetable Washing Cum Peeling Machine with facility for purification of used water and recycling.	Material of Construction: All Product contact parts to be of SS304 Capacity: 150kg/hr max Power : 2 hp 3 phase. All food contact

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		surfaces shall be made of SS 304 or food grade Teflon.
6	Fruit and vegetable cutter with 200 kg capacity per hr should cut to regular shapes of various thickness. Length adjustable from 25 to 100 mm, and thickness 3 mm to 25 mm.	The machine to have a feeder hopper and adjustable blade for various thickness and discharged at discharge end in tub, All moving and machine body to be made of SS304
7	Vegetable Dicer. Length adjustable from 25 to 100 mm, and thickness 3 mm to 25 mm.	Material of Construction: All Product contact parts to be of SS304 Capacity: 500kg/hr Size of Product: 5,6,7,8,10,12,15,20 mm (Adjustable) Cutting Shape: Cube or Dice Power : 1.0 HP Capacity may vary depending on product and cutting size.
8	Continuous counter current Drier perforated conveyor type, to deliver dried material with 10 to 15% moisture 500 kg in 6hrs at controlled temperatures of 45 to 60° C. Electrically/LPG operated.	The construction of all material parts of this drier will be of SS304, the drier will be so designed that at the end of 6hrs it will deliver dried material containing 10 to 15% moisture. The source of heat shall be electrical or LPG. It will have blower for uniform distribution of heat and vapour collecting & dispensing system. The chamber temperature to be thermostat controlled between 45 to 60+/- 2°C (degree centigrade), and readable at least at three separate points. It shall be continuous feeding type with a drying capacity around 90kg per hr. it shall also have a gear box for conveyor speed control as per the size and thickness of the material. The whole drier shall be suitably insulated to prevent wastage of heat.
9	Tray Drier of 65 kg capacity. Operating temperature 45 to 65° C. Heating-electrical / LPG	Construction: Outer Body MS Sheet 1.6 mm, Inner Wall SS sheet 1.2 mm with insulation to prevent wastage of heat. Trays SS angle framed with SS wire mesh at bottom, cap of tray will be 4-5 kgs material to dry from initial moisture of 60% to 9-10 % final in 6 to 8 hrs.

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		<p>External Dimension: 1225X1010X620MM Inner Dimensions : 1115X900X565MM Blower 2800rpm single phase Motor 2 nos 0.5hp Big Heaters 600MM length 230V, 500W- 04 nos Small Heaters 300MM length 230V, 500W- 01 nos Tray size 1060X705X410MM- 13 nos Rack Size 640X460X800 MM- one</p>
10	Automatic Weighing, pouch forming filling & sealing machine with evacuation or nitrogen flushing/filling facility. Capacity 30 to 40 pouches per minute. Pouch size adjustable to accommodate pouches in the range 100 gm to 200 gm	The machine will weigh automatically as per the instruction at the control panel of the machine, will weigh to be accurate up to + or – 2 gms of selected weight. The Machine will form and seal the pouches with vaccumising and nitrogen flushing arrangement before sealing of pouch. All parts in contact with material shall be made of SS304.
11	Batch coding machine for coding pouches.	Batch coding machine will be on line inkjet type having atleast five line batch no, DOM,DOE, Gramage, MRP.
12	Metal Detector for on line detection of metal pieces in production line.	Function to detect any metal contamination to ensure food safety capable to detect 1.0 mm and above ferrous, 1.2mm and above non ferrous and 1.5mm and above SS metal with Pneumatic operated rejection system Specification : Aperture size- 100mm Material of construction : SS 316 Rejection Flap Type Air compressor: 4 bar/80 psi
13	Carton Strapping machine	Construction platform to hold any size corrugated box to hold products of 10-12 kg with a strap roll holder and sealing system by electrical heater.

All the above equipment's and machine to be supplied to be supplied with control panel with starter/ on –off switch, temperature controller, temperature display where ever required. The Bidder will be provided Electrical connections up to Control panels, from panels to equipment or machine will be to bidders account.

The bidder shall quote for all the item of the tender collectively or for individual item as per the specifications and the bill of quantities listed in the tender document. The CFRD reserves the right to delete /restrict certain item depending on exigencies of the project.

(1) DOCUMENTS TO BE ENCLOSED WITH TENDER:

The Tenderer shall enclose the following information / documents along with the Tender offer:

- 1) Valid Government registration as Manufacturer or Contractor
- 2) Confirmation of compliance with all statutory requirements such as labour license, Minimum Wages Act, Provident Fund, ESI, Workmen Compensation Act etc. along with documentary proof.
- 3) Experience list
- 4) Annual turnover for the last three years
- 5) Latest income tax clearance certificate
- 6) Solvency certificate from scheduled bank
- 7) List of own manpower with qualification & experience
- 8) List of own machinery, equipment, testing instruments etc..
- 9) Conceptual machinery Layout based on attached Dehydration drawing.
- 10) Any other documents in support of offer

(2) COMPLIANCE WITH STATUTORY REQUIREMENTS

The Contractor shall comply with all the applicable statutory requirements like Labour laws, Minimum Wages Act, Provident Fund, ESI, Workmen's Compensation Act and any other Central, State or local Acts, rules or regulations in force. He shall keep the Owner indemnified against any liability in case of contravention of any of the said statutory requirements. He shall also obtain a Third party insurance policy and Contractor's all risk policy to cover risk to others or damage to any property caused during execution of work. He shall submit copies of the insurance policy documents to the Owner before start of work.

(3) SCOPE OF WORK

The Contractor's scope of work shall be as broadly indicated below.

Note: Owner reserves the right of addition / deletion to the scope listed. Any additional work as directed by the Owner shall become a part of the contract and shall be executed by the Contractor as per contract terms at rates as specified or approved by Owner when not available in the contract.

01) Specification and drawings

02) The Specification enclosed briefly gives only the broad requirements. Contractor shall ascertain total requirements based on the nature of work, site conditions etc. and

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shall be deemed to be aware of and have understood all the requirements regarding the statutory rules, regulations, provisions, codes, standards, supply system, norms and guidelines of local authorities, site conditions, equipment / material specification, installation, testing, commissioning and functioning with reference to the electrical system, Owner's requirements, provision for future expansion etc. in such a way that it ensures supply of all required material / equipment, completion of work safely and satisfactorily, statutory approvals, successful testing, commissioning and safe, continuous and satisfactory functioning of the equipment / system under the stated ratings, specifications and ambient / operational conditions throughout the service life. Owner shall not provide any material / services unless specifically agreed and no extra claim on account of above or any other factors / reasons will be entertained by the Owner.

- 03) Deviations from specification, if any, shall be clearly mentioned clausewise in a separate deviation sheet. Owner may not accept any deviations and Tender offer is liable to be rejected on this account.
- 04) Material, equipment, accessories etc. shall conform to all applicable FSSAI act and standards and shall be in compliance with all I.E. and other statutory rules, regulations, safety codes, fire-safety norms etc. in force in the area.
- 05) Material/equipment supplied shall be of approved makes only and shall be procured directly from manufacturers or their authorized dealers. Equipment drawings / specification / BOM etc. shall be submitted and Owner's / Consultant's approval obtained prior to manufacture and procurement.
- 06) Items and their description given in the enclosed schedule is brief and only broadly specifies the requirement. Contractor shall consider all additional items / components / services as required for the system. In case items not mentioned in the schedule are required for the completion of the system, contractor shall clearly specify such items in his tender offer and quote extra price for the same. Failure of the Contractor to specify the items in the tender offer shall not absolve the Contractor of the responsibility of providing such items and it will be deemed that the price for the items is included in the quoted total price. No extra amount will be paid on this account.
- 07) Quantities given in the enclosed schedule are indicative. Unit rates shall be valid irrespective of quantities. Final contract price shall be worked out on the basis of unit rates and final approved quantities. This clause is not applicable for items where the quantities have been indicated "As required / Lump sum." Which are to be considered by Contractor based on his estimate & layout. The total price in such case shall remain unchanged irrespective of final quantity.
- 08) Material/Equipment shall be procured by Contractor only after ascertaining actual required quantities at site as per Owner's final requirement and approved drawings. Wherever alternatives are specified, Owner's specific confirmation for finally selected item / rating shall be obtained

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before ordering. Material shall be dispatched to site only after receiving dispatch clearance from Owner. Payment shall be made only for approved items / quantities supplied and installed / commissioned as per project requirements to be decided by Owner. In case it is found that excess material has been supplied / erected and payment already made for it, the excess amount paid shall be recovered from the Contractor.

09) Work and workmanship

- 10) Contractor shall submit activity-wise and area-wise schedule & bar chart for start and completion of activities so as to complete the entire work within the stipulated completion period.
- 11) Contractor shall deploy appropriately qualified, competent and experienced staff and workers as per the nature of work. Adequate labour force shall be maintained at site to ensure desired progress of work. He shall assign a qualified electrical supervisor with relevant government license, who shall always be present at site to supervise the work and to co-ordinate related activities with all concerned including other agencies working at site, for completion of work safely and satisfactorily within the agreed completion period. Contractor shall take all precautions to ensure the safety of personnel working at site. Necessary safety equipment shall also be provided for the purpose. Erection equipment shall have adequate safety provisions for safety of personnel and works.
- 12) The Contractor shall co-ordinate and interact as necessary with other agencies working at site as well as authorities concerned for the smooth progress and timely completion of work. The priorities for work shall be decided by the Owner.
- 13) The work shall be carried out as per contract specification, accepted standard procedures, good engineering practices and in a safe, technically sound and aesthetic manner with good finishing. The work shall conform to all applicable IS codes and standards and shall be in compliance with all I.E. and other statutory rules, regulations, safety codes, fire-safety norms etc. in force in the area.
- 14) If in the opinion of the Owner/ KEB / Statutory authority any item supplied and / or work carried out by the Contractor is defective or does not meet the requirements, the Contractor shall rectify such defects, carry out necessary modifications, replace rejected material and take all necessary steps to complete the work to the satisfaction of Owner/ KEB / Statutory authority. The rejected or defective material shall be removed from site forthwith as per Owner directions. The rectification / modification / replacement shall be without any additional cost to the Owner.
- 15) Measurement of work shall be done by standard measure according to the rules of PWD and / or normal procedures. Contractor shall submit measurement sheet with backup drawings, calculations and details as required. The decision of the Owner in this regard shall be final and binding on the Contractor.

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- 16) On completion of work, Contractor shall carry out site-testing as per applicable standards, rules, norms, guidelines and obtain necessary approvals / permissions of authorities for charging and commissioning. Contractor shall submit all test-reports / original documents for the equipment / installation as required by the Owner.
- 17) After site inspection / testing, a list shall be prepared indicating defects / modifications required / incomplete work. The Contractor shall attend to the points listed to the satisfaction of Owner/ KEB. Contractor shall obtain certificate for completion of work from KEB. After satisfactory completion of work, successful testing, commissioning and load trials, "Work Completion Certificate" shall be issued to the Contractor by Owner. The Defects Liability Period shall begin from the date of Work Completion Certificate. The Owner shall have the right to put the equipment to use in part or full before issue of completion certificate.
- 18) The Contractor shall carry out and complete the works in every respect in accordance with the contract and Owner's directions given from time to time and to the satisfaction of the Owner. Owner's decision in this regard shall be final and binding on the Contractor.
- 19) Approvals / Sanctions etc. from authorities
- 20) Contractor shall be responsible for all activities beginning with load application up to completion of job. He shall obtain all necessary load sanctions, approvals, permissions, testing etc. for the entire electrical installation (including items not supplied by Contractor) from authorities concerned such as KEB, Electrical Inspector, Factory Inspector, KPCB etc. up to and including charging and commissioning of installation. Charges for this job shall be included in the quoted price. Necessary statutory fees shall however be paid by the Owner.
- 21) Contractor shall liaise and coordinate with KEB for site survey, point of supply, estimate etc. Additional work as per KEB requirement specified in estimate shall be carried out as directed by Owner.

22) Definitions

Contractor shall note the following:

- 23) "**Price**" shall include design, supply, fabrication, installation, testing, commissioning and liaison / coordination with authorities as applicable under respective item.
- 24) "**Supply**" includes design and supply of material, delivery at site with packing, freight, insurance, taxes, duties, unloading and safe storage till erection. All required material and accessories (whether specified or not) for carrying out the above specified jobs up to charging of installation and commissioning of entire system as per specification, Owner's requirements safety standards and statutory requirement is also deemed to be included in 'Supply' .

25) **“Installation”** includes safe shifting of above material to erection location, placement and installing in position. All necessary tools, tackles, ladders, scaffolding, instruments, consumables etc. shall be arranged by Contractor at own cost. Minor civil works related to above work is also included.

26) **“Testing”** includes inspection of material before dispatch, after receipt at site and before installation including statutory inspection and testing. Equipment shall be tested individually and the integrated system as a whole shall be tested for satisfactory performance as per relevant standards / statutory requirements. Owner reserves the right to inspect the material at manufacturers' works before dispatch to site and at site. Contractor shall inform Owner about readiness of material and make necessary arrangements for inspection / testing of the material at manufacturer's works / sub-vendor's shop / site.

27) **“Commissioning”** includes pre-commissioning checks / testing and putting the equipment and system into normal operation as per requirements to the satisfaction of Owner after obtaining of all necessary sanctions / permissions / testing / approvals.

28) “Defects liability period”

The Defects Liability period shall be **24 months** commencing from the date of Work Completion Certificate. If any defect in the quality or performance of the material supplied and / or work carried out by the Contractor is noticed during this period, the Contractor, on being informed by the Owner / Consultant, shall immediately attend to the problem and rectify the defect. In case the Contractor fails to attend to the defect within two days, Owner shall get the job done from another agency at the Contractor's risk and cost. The defects liability period for the defective portion of work shall be counted from the date of rectification / replacement. The duration shall be **24 months** as decided by the Owner / Consultant. “Final Acceptance Certificate” shall be issued by the Owner / Consultant after the defects' liability period is over and all defects noticed during the period have been satisfactorily attended to by the Contractor, whichever is later.

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SECTION –8

DRAWING

SITE PLAN & INTERNAL LAYOUT