

On Line Tender Notice No.75 of 2018-19

Administration of
Dadra & Nagar Haveli, U.T.,
Office of the Directorate
Medical & Public Health Department

No.DMHS/P&T/Fortified Rice/2018-19/571/6056

Silvassa.

Date: 13/08/2018

e-Tender Notice

The Director of Medical & Health Services on behalf of President of India, invites on line tender on <https://dnhtenders.gov.in/nicgep/app> from the Agencies for fortification of Rice.

Sr. No	Particulars	Estimated Cost	(E.M.D.) Earnest Money Deposit	Tender Fees (Non-Refundable)	e-Tender ID No.
01.	Fortification of Rice	`.8.20 Lacs	`.20,500/-	`.1,000/-	2018_UTDNH_2976_1

Bid document downloading Start Date : **14.08.2018**
Bid document downloading End Date : **03.09.2018, 12:00 Hrs.**
Last Date & Time for receipt of Bid : **03.09.2018, 14.00 Hrs.**
Preliminary Stage Bid Opening Date : **03.09.2018, 15.00 Hrs.**
Technical Stage Bid Opening Date : **03.09.2018, 15.30 Hrs.**

Bidders have to submit Technical Bid and Price Bid in Electronic format only on <https://dnhtenders.gov.in/nicgep/app> website till the last date and time for submission. Technical Bid and Price Bid in Physical format shall not be accepted in any case.

Bid submission should be done along with tender Fees and EMD in original by R.P.A.D./Speed Post or to be deposited in the tender box kept in the office of the undersigned. However, Tender Inviting Authority shall not be responsible for any postal delay. Tenders can be downloaded from www.dnhtenders.gov.in, www.dnh.nic.in and www.vbch.dnh.nic.in.

1. The EMD and Tender Fees should not be forwarded by cash.
2. The Tender Fees will be accepted only in form of DD/Bankers Cheque of any Nationalized or Scheduled Bank of India payable in Silvassa.

3. The EMD will be accepted in form of FDR /Demand Draft / Bankers Cheque or Bank Guarantee from any Commercial Banks in an acceptable form payable at silvassa in favor of under signed.

The tender inviting authority reserves the right to accept or reject any or all the tender to be received without assigning any reasons thereof. In case bidder needs any clarification on the process of bidding for participating in online tender for further details, correspondence can be made on e-mail: cppp-nic[at]nic[dot]in, Mobile No: +91-7878007972 and +91-7878007973, Tel No. 1800 3070 2232
Website: www.dnhtenders.gov.in.

Sd/-
Director
Medical & Health Services
“Tel.No.0260-2642940, 2640615”
e-mail ID: svbch.sil@gmail.com

Copy to :-

- 1) CPO, Dadra & Nagar Haveli, Silvassa for wide publicity in Newspaper.
- 2) I.T. Department, D&NH, Silvassa with a request to publish in Website.
- 3) Website In-Charge, Shri VBCH, Silvassa to publish on VBCH Website.
- 4) Accounts Section, DMHS, Silvassa for information.

U.T. ADMINISTRATION OF DADRA & NAGAR HAVELI,
OFFICE OF THE MEDICAL & PUBLIC HEALTH DEPARTMENT, D&NH

Terms and Conditions for the “**Fortification of Rice under Medical & Public Health Department, D&NH**”.

❖ **Instructions to Bidders :**

- 1) All Tender Documents can be downloaded from the website <https://dnhtenders.gov.in/nicgep/app>
- 2) All bids should be submitted online on the website <https://dnhtenders.gov.in/nicgep/app>
- 3) The user can get a copy of instructions to online participation from the website <https://dnhtenders.gov.in/nicgep/app>
- 4) The suppliers should register on the website through the “New Supplier” link provided at the home page, the registration on the site should not be taken as registration or empanelment or any other form of registration with the tendering authority.
- 5) Digital Signature Certificate is required for participating in the tender.
- 6) For all queries regarding tender specifications and any other clauses included in the tender document should be addressed to personnel in tendering office address provided below:

**The Director of Medical & Health Services,
Shri Vinoba Bhave Civil Hospital Campus,
U.T. of Dadra & Nagar Haveli,
Silvassa - 396 230.
Tel: 0260-2642940, 2640615, 2630102, Fax: 0260-2642961**
- 7) All documents scanned/attached should be legible/readable. A hard copy of the same may be sent which the department will be use if required. Uploading the required documents in <https://dnhtenders.gov.in/nicgep/app> is essential.
- 8) The Bidder has to give compliance for each quoted product for any false/misleading statement in compliance found any time during the procurement process, the bid shall be outrightly rejected & EMD shall be forfeited.

Keydates:

Bid document downloading Start Date	:	14.08.2018
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The Tenders shall be submitted in two-bid system, wherein the Technical bid and Commercial Bid is to be filled online on <https://dnhtenders.gov.in/nicgep/app> and the EMD and Tender Fee has to be submitted in Tender Box along with a covering letter. The envelope should be super scribing as **“e-Tender - Sealed Cover of Bid for Fortification of Rice under Medical & Public Health Department, D&NH. The EMD and Tender Fees should only be enclosed in the cover.**

Tender Fees (Non Refundable) ` .1,000/- :

- a. The Tender Fees should not be forwarded by cash.
- b. The Tender Fees (Non Refundable) will be accepted only in form of DD/ Bankers Cheque in favor of **“The Director of Medical and Health Services, Silvassa”** from any Nationalized or Scheduled Bank of India payable in Silvassa.
- c. All tenders must be accompanied by Tender fees as specified in schedule otherwise tender will be rejected.

Earnest Money Deposit (Refundable) (.20,500/-) :

- a. All tenders must be accompanied by EMD as specified in schedule otherwise tender will be rejected.
- b. Any firm desires to consider exemption from payment of Earnest Money Deposit, valid and certified copies of its SSI Registration with D.G.S. & D. should be attached to their tenders.
- c. EMD can be paid in the form of following:
 - i. A/c Payee Demand Draft
 - ii. Fixed Deposit Receipts
 - iii. Bank Guarantee

In favor of **“The Director of Medical and Health Services, Silvassa”** from any Nationalized or Scheduled Bank authorized by RBI to undertake Government Business.

- d. EMD should be valid upto **12 (Twelve Months)** from the date of its issuance.
- e. EMD in any other forms will not be accepted.
- f. EMD/Security Deposit shall be liable to be forfeited in following circumstances:
 - i. In case, the supplier does not execute the work order placed with him within stipulated time, the EMD of the supplier will be forfeited to the Government and the contract for the fortification shall terminated with no further liabilities on either party to the contract.

- ii. Tenderer fails to fortify the goods declared to be not of proper quality or or found to be decayed/spoilt.
- g. The amount of Earnest Money paid by the tenderer(s) whose tenders are not accepted will be refunded to them by cheque or Demand Draft (as may be convenient to the Tender Inviting Officer if the amount is above ` .200/-) drawn on any Nationalized or Scheduled Bank payable at Silvassa. Where this mode of payment is not possible the amount will be refunded at the cost of the tenderer.
- h. Only on satisfactory completion of the work order for and on payment of all bills of the supplier, as to be admitted for payment, the amount of Security Deposit will be refunded after expiry of guarantee/warranty period, if any, or any such date/period as may be mutually agreed upon.
- i. The Earnest Money(s) paid by the tender(s) earlier against any tender(s) or work order(s) is not adjustable with Earnest Money required by these conditions.

Security Deposit: (SD)

- a. The successful tenderer will have to pay within 10 days from the date of demand, an amount equal to 10% of the total value of the work ordered, as the amount of security deposit.
- b. Non receipt of Security Deposit within stipulated time will result in automatic cancellation of the order without any intimation.
- c. The Security Deposit(s) paid by the tender(s) earlier against any tender(s) or work order(s) is not adjustable with Security Deposit required by these conditions.
- d. The tender inviting officer will consider extension of time for remitting the Security Deposit as demanded. However, in case of denial to consider such extension the supplier is bound to abide by the limit given and liable to make good for the loss made to the Government on account of his failure to abide by the time limit.

❖ Conditions of Contract :

1. ACCEPTANCE OF TENDER:

- a. The tender is liable for rejection due to any of the reasons mentioned below:
 - i. Non-Submission of tender within stipulated time online.
 - ii. Submission of tender physically in the Office but not submitted online on <https://dnhtenders.gov.in/nicgep/app>.
 - iii. Tender is unsigned or not initialed on each page or with unauthenticated corrections.
 - iv. Non-payment of Earnest Money Deposit (if not exempted).

- v. Non-Submission of mandatory documents as mentioned in schedule.
 - vi. Conditional/vague offers.
 - vii. Unsatisfactory past performance of the tenderer.
 - viii. Submission of misleading/ contradictory/ false statement or information and fabricated/ invalid documents.
 - ix. Tenders not filled up properly.
 - x. The documents attached by the bidder online if found not readable will not be considered for bid evaluation.
- b. Any discount which the bidder wants to give has to be considered and total final bid amount has to be mentioned clearly in the price bid form on www.dnhtenders.gov.in.
- c. Discount offered after price bid opening will not be considered.
- d. The consolidated rates inclusive of all taxes, GST, freight charges entered in the online website will be taken in to account for preparing price statements. However the tender who is found technically acceptable as well as lowest in terms of evaluated rates only is considered for placing the order.
- e. The Director Medical and Health Services may seek any clarifications/ explanation/ documentary evidence related to offer at any stage from tenderers if required.
- f. The rate should be quoted online in the financial bid in the prescribed form given by the department; **the rate should be valid for the period of One Year from the date of tenderization and the contract will be valid for the period of Three Years.**
- g. Orders once placed should be delivered within the given time period and item should be door delivered as directed by the tender inviting officer.
- h. The decision of the Tender Inviting Officer for acceptance/rejection of any articles supplied including the decision for equivalent specifications, standard and quality etc. of articles shall be final.
- i. The right to accept or reject without assigning any reasons or all tenders in part or whole is reserved with the Tender Inviting Officer and his decision(s) on all matters relating to acceptance or rejection of the tenders as a whole or in part will be final and binding to all.
- j. No separate agreement will be required to be signed by the successful tender(s) for the purpose of this contract. Rates tendered/ offered in response to the concerned Tender Notice shall be considered as acceptance of all above terms and conditions for supply for all legal purpose.

k. **The tenderer should attached scanned copies of mandatory documents as follows:**

1. **PAN Number**
2. **GST Registration No.**
3. **Chartered Accountant Certificate regarding Average Turnover of ` .20.00 Lakhs in last three financial years.**
4. **Terms and Conditions of tender documents duly stamped and signed on each pages.**
5. **Schedule of specifications (Scope of Work) duly stamped and signed on each pages.**
6. **Firm Registration Certificate**
7. **Income Tax Returns of last three years**
8. **Copy of Experience of running this Services**
9. **An undertaking duly signed by a responsible person of the firm that the firm is not black listed anywhere.**

2. TERMS FOR EXECUTION OF WORK :

- a. Extension of time limit for fortification shall be considered by the Tender Inviting Officer. The extension so granted may be with levy of compensation for delay in execution of supply, the cost of work ordered for at the discretion of the authority competent to grant extension of time limit provided such request is made well in time, depending upon the circumstances and such decision in the matter will be final.
- b. If at any time after the work order the Tender Inviting Officer shall for any reason whatsoever not require the whole or part of the quantity thereof as specified in the order the Tender Inviting Officer shall give notice in writing of the fact to the supplier(s) who shall have to claim to any payment of compensation what so ever on account of any profit or advantage which the supplier(s) might have derived from the work in full, but which did not derive in consequence of the full quantity of articles not having been purchased, nor shall have any claim for compensation by reasons of any alterations having been made in the original instructions which shall invoice any curtailment of the work originally contemplated.
- c. The items as mentioned in the list are the approximate estimates invited and actual purchase may more. Accordingly the successful tenderer has no right for any loss/damages with reference to approximate requirement shown in tender and actual requirement.
- d. Inspection will be carried out in the premises of Food & Civil Supplies. If goods to be inspected in factory premises all expenditure to be borne by the Tenderer.

3. Bid Evaluation Methodology :

A. Preliminary & Technical Evaluation:

1. Tender fee
2. EMD Submission
3. Scrutiny of technical specifications and other relevant documents as asked by the department with the quoted specification

B. Financial Evaluation: Lowest quoted offered by Technically Qualified Bidders

4. PAYMENT TERMS :

- a. 100% of the invoice amount will be paid only after execution of work, successful and submission of Security deposit.
- b. Price escalation clause will not be entertained under any circumstances.
- c. All bills should be in **TRIPLICATE** and should invariably mention the number and date of work order.
- d. All bills for amount above `5000/- should be pre-receipted on a Revenue Stamp of proper value. Bills for amount exceeding `5000/- not pre-receipted on Revenue Stamp of proper value will not be accepted for payment.
- e. Each bill in which GST is charged must contain the following certificates on the body of the bill: **“CERTIFIED”** that the service on which GST has been charged have not been exempted under the Central GST Act or the Rules made there under and the amount charged on account of GST on these service is not more than what is payable under the provisions of relevant Act or Rules made there under”.
- f. No extra charge for packing, forwarding and insurance etc. will be paid on the rates quoted.
- g. GST will be applicable as per present rules Time to Time.
- h. The rates should be quoted only for the items specified in the list of requirement.
- i. Rates quoted for items other than the required specification/ make/ manufacture will not be considered.

Sd/-

Director

Medical & Health Services
“Tel.No.0260-2642940, 2640615”
e-mail ID: svbch.sil@gmail.com

Technical Specifications - Fortified Rice Kernels

Product Type

Fortified Rice Kernel (FRK) micronutrient delivery system incorporates iron within an extruded rice grain made from rice flour. Ideally, such fortified extruded grains should resemble natural milled rice in size, shape, and colour as closely as possible.

Standards and recommendations

Fortified rice shall comply, in terms of raw materials, composition or manufacture with the following guidelines, unless specified otherwise in this contract:

1. (5) Rice, (1) Food Grains meant for human consumption, Regulation 5.4.6 Food Grains, Part 5.4 Cereal & Cereal Products Food Safety and Standard Regulations (2010).
2. Codex Standard for Rice (CODEX STAN 198-1995).
3. Recommended International Code of Practice: General Principles of Food Hygiene CAC/RCP 1-1969 Rev 4 - 2003 including annex “Hazard Analysis and Critical Control Point (HACCP) System and Guidelines for its application”.
4. General Principles for addition of essential nutrients to foods: CAC/GL 09-1987 (amended 1989, 1991) of the Codex Alimentarius.
5. Contaminants, Toxins and residues regulations requirements of the Food Safety and Standards Regulations, 2011.

Raw material

The first decisive step in making good fortified rice is the selection of appropriate raw material. The challenge in selecting a compatible specification of ingredients is very critical, as the rice produced should be strong enough to sustain the shelf life and to meet the cooking quality of regular rice grains. Receiving, storage and handling of raw material need to be conducted as per the process.

Major ingredients include:

1. Rice flour
2. Food grade Vitamin and Mineral premix
3. FSSAI approved Acid regulators and emulsifiers (Pentasodium Triphosphate – INS 451 (i), Citric Acid INS 330 etc)
4. Potable Water (IS 10500 : 2012)

Rice flour

Clean Broken rice at an initial moisture content of 11-12% is ground to flour using 30-60 mesh sieve. Rice flour is very hygroscopic in nature hence the raw material and final produce need to be handled properly as per GMP. Quality reports of every batch of milled broken rice procured by FRK producers must be filed for reference.

Vitamin and mineral premix

Composition of vitamin premix has to meet the recommended specifications as per Food Safety

Standards (Fortification of Food) Regulations, 2016. During premix procurement by FRK producers the following should be ensured:

- Micronutrients must be supplied to the FRK producer with a certificate of analysis by the premix supplier.
- A proof of work order for supply of premix by FRK producer to premix supplier should be included for reference.
- The above documents must be presented with other documents of payments.
- Micronutrients must be stored in a dry, cold, and clean place. Storage temperature should not exceed 25⁰C.
- 1 MT of FRK should be blended with 100 MT of milled raw rice to provide a minimum of 5.67 mg of iron per serve (100 gm fortified rice meal) to fulfil 33.3 percent of RDA requirement for a child between the ages of 6 to 12 years.

Emulsifier / Acid regulator / Antioxidants

FSSAI approved emulsifiers/ acid regulators/ antioxidants (Pentasodium triphosphate IS 451 (i) / Citric Acid IS 330 etc.) shall be used as per the allowances prescribed in Food Safety Standards (Fortification of Food) Regulations, 2016.

Water

Water is used in manufacturing of Fortified rice as a solute which penetrates the starch structure of the flour and helps in gelatinization of starch. Potable water (complying Indian standards for Potable water standards IS 10500 : 2012 amended on 1st June, 2015) shall be used for mixing of ingredients. Test for potability of the water must be conducted once every 3 months.

Good Manufacturing Practices

The manager operations and staff responsible for producing FRK & FR should follow the FSSAI guidelines on food safety and also ensure the necessary approvals from FSSAI for finished products.

The following GMP need to be followed by the staff producing FRK and FR.

GMP 1: Pre Requisite Program – Personal Hygiene and Employees Facility

GMP 2: Pre Requisite Program – Sanitation and Waste Disposal

GMP 3: Pre Requisite Program – Pest Control

GMP 4: Pre Requisite Program – Water

GMP 5: Pre Requisite Program – Preventive Maintenance

GMP 6: Pre Requisite Program – Traceability

GMP 7: Pre Requisite Program – Storage

It is mandatory to follow all regulatory guidelines and specific requirements governed by Regulatory Authority (FSSAI) with regard to product registration, Food Safety, Quality, Labelling and other applicable laws at state and national level.

Product safety and specifications

Food safety and risk assessment at manufacturing premises

For compliance with Codex standards, the manufacturer must be able to demonstrate by principle and practice the adoption, implementation, and recording of:

- Good Manufacturing Practice (GMP)
- HACCP program
- Quality Management System

In this context, quality surveyor (AM, KFCSC) is entitled to visit the factory without prior notice during the tenure of this project to ensure that all the GMP and HACCP systems are in place. The officer may request to see:

- Records (e.g., names of people in charge of the process and quality control, temperatures of the process, mixing times/quantity, cleaning schedules etc.).
- Procedures (e.g., cleaning, personnel hygiene, HACCP, sampling and analysis).
- Instructions (e.g., process instructions, cleaning instructions).
- The quality manual followed for the process or of the factory.

The manufacturer must be registered under National Food Law as a processor of foods for human consumption.

Selection of Fortified Rice Kernels (FRK) Supplier :

The following is the scope of work for the supplier of FRK –

1. SupplyMT FRK at a rice mill in to U.T. of Dadra & Nagar Haveli, Silvassa as shortlisted by

2. The FRK shall be manufactured using extrusion technology which involves dry mixing of rice flour & premix followed by addition of water. This blend is passed through a twin screw extruder with heating zones, which produces kernels similar in shape and size of rice. These kernels are dried in multilayer dryer and passed through cooling conveyor and packaged.

a.) The FRK manufacturer is expected to develop Standard Operating Procedures (SOPs) for the production of the kernels for the given composition such as – Process for manufacture of FRK; Cleaning of plant & equipment; testing protocols for in-process and finished goods. Details of the SOP and other aspects of information as mentioned below are to be maintained by the vendor for review and sharing with the DS&ME as and when required by them.

- Certificate of Analysis (CoA) for each batch of premix received for production of the FRK
- Extrusion Temperature
- Dryer Temperature
- Kernel length, width and density
- Cooking quality
- Deviation & Corrective Action Records

3. The micronutrient levels in FRK and fortified rice to comply with the requirements laid out in Table 1.

Table 1: Micronutrient Levels Required Per Kg of FRK

Micronutrients	Salt Forms to be Used	Levels of Micronutrients/ Kg of FRK	Minimum Levels of micronutrients/ Kg of fortified rice at school level	Remarks
Iron	Micronized (size of particle not more than 3 microns) Ferric Pyrophosphate	2222.2 mg	20 mg	Minimum levels have been laid out for FRKs after building in necessary overages to cater to storage, transport & cooking losses
Folic Acid	Folic Acid	2,60,000 mcg	1300 mcg	
Vitamin B12	Cyanocobalamine 0.1%	2000 mcg	10 mcg	

4. Micronutrient premix used in the development of FRK

a.) The micronutrient premix for production of FRK to be procured from an approved supplier with a valid FSSAI license. b.) The design and development of the premix to achieve the micronutrient requirement in FRK and fortified rice should include necessary overages as detailed out in table 2 to cater to losses during the production process. The minimum overages for production are as given in Table 2.

Table 2 – Minimum overages for production losses that are to be considered

Micronutrient	Production Losses
Iron	16%
Folic Acid	20%
Vitamin B 12	20%

c.) The micronutrient premix shall contain appropriate food grade material. The premix shall be of vegetarian source. d.) Each consignment of premix shall be accompanied by a CoA from an external NABL accredited laboratory. This CoA shall be filed with the FRK manufacturer and shared with DS&ME in case so needed.

5. The FRK manufacturer shall ensure that each consignment of FRK matches with the FCI rice in terms of length, width, color and cooking qualities. To help the manufacturer with that, DS&ME will share samples of FCI rice with the manufacturer in advance of the production schedule. The FRK shall comply with the quality specifications as mentioned in Annex I.

6. The FRK manufacturer will deliver the first batch of FRK by The total tonnage of FRK required will be delivered in batches of.....MT each and the delivery schedule for the same will be communicated by DS&ME.

7. FRK to be delivered in appropriately labeled 20 Kg woven HDPE bags with an inner LDPE lining. The packaging material to comply with the specifications given below :

Outer Packaging Material: Woven HPDE
Outer bag: 80gms
Inner Liner Packaging Material: LDPE
Liner Thickness: 250 gauge
Packaging Size: 20-25kg

8. The markings on the bag should mention the below. Additional markings may be communicated by the DS&ME.

Name of the Product
Intended Consumption
Ingredients
Net weight
Detailed address of Manufacturer
Instructions for Use
Storage Conditions
Batch Number/ Lot Number/ Date & Time of Manufacturing/Shelf Life

9. A Certificate of Analysis (CoA) for the produced FRK covering the micronutrient levels and microbiological parameters from an external NABL accredited laboratory should be shared with DS&ME at least 1 week in advance of the date of dispatch of the FRK to U.T. of Dadra & Nagar Haveli, Silvassa to ensure a detailed review and feedback to the CoA by DS&ME. The supplier is also expected to share with DS&ME a 500 gram sample of the FRK from the consignment under production before dispatch of the same to U.T. of Dadra & Nagar Haveli, Silvassa.

10. The FRK produced should have a shelf life of minimum 12 months when the consignment is shipped to the rice mill.
11. The FRK manufacturer will be required to facilitate DS&ME, GoO visits to the production unit as and when required to oversee the production process.
12. The FRK manufacturer should possess a valid FSSAI license and comply with plant hygiene requirements detailed out in FSSAI.
13. Other specifications & recommendations on raw materials to be used for production of the FRKs are detailed out in Annex II.
14. The proposals shall be submitted as per the format mentioned in Annex III.

SCOPE OF WORK:

Annex I

Finished Product specifications

Total quantity of Rice to be Fortified : 20,50,000 Kgs

Ingredient	Parameter	Specification	Reference	Frequency
Fortified Rice Kernels	Shape	Manufactured grain should resemble the normal milled rice as closely as possible	Rice supplied by FCI to the U.T. of Dadra & Nagar Haveli, Silvassa	Each consignment
	Average Grain Length	To match with each consignment of FCI rice. Average Length to be around 5 mm	Rice supplied by FCI to the U.T. of Dadra & Nagar Haveli, Silvassa	Each consignment
	Average Grain Breadth	To match with each consignment of FCI rice. Average Breadth to be around 2.2 mm.	Rice supplied by FCI to the U.T. of Dadra & Nagar Haveli, Silvassa	Each consignment
	Moisture	12% w/w (Max) at the time of receipt.	ISO 712-2009	Each consignment
	Extraneous Matter	Free from organic and inorganic extraneous matter	Visual Observation	Each consignment
	Kernel Count	50 – 75	Weighing	Each consignment
	Color	White to Off-white	Visual Observation	Each consignment
	Total Iron	2.22 mg/g (Min)	AOAC 944.02 or AACC 40-70.01 (total iron present in ferric form) using Atomic Absorption Spectrophotometry or AOAC 984.27 using ICP Emission.	Each consignment
	Vitamin B12	2 mcg/g (Min)	AOAC 2011.10, 960.46 or AACC 86-40.01 using HPLC at 550 nm wavelength	Each consignment
	Folic Acid	260 mcg/g (Min)	AOAC 992.05 or EN 14131 using ELISA	Each consignment
	Mesophilic aerobic bacteria	10,000 cfu per gram (Max)	ICC no. 125, AACC 42-11	Each consignment
	Yeasts and Moulds	100 cfu per gram (Max)	ICC no. 146, AACC 42-50	Each consignment
	Cooking test	• FRK to	Cooking	Each consignment

**e-tender ID No. 2018_UTDNH_2976_1 Fortification of Rice
under Medical & Public Health Department, D&NH for the Year 2018-19**

Ingredient	Parameter	Specification	Reference	Frequency
		physical properties and micronutrient levels after being subject to washing and cooking • Cooking characteristics to be similar to FCI rice.	characteristics of FCI rice.	

Annex II

Specifications for Milled Rice (Broken) :

Broken rice to comply with the following specifications

Ingredient	Parameter	Specification	Reference	Frequency
Rice Broken	Moisture	12% (Maximum)	ISO 712-2009	Batch-wise
	Organoleptic (Smell, Color)	Pleasant smell, Typical color (White to Off-White)	Visual Observation	Batch-wise
	Extraneous Matter	Free from all physical impurities.	Visual Observation	Batch-wise
	Mesophyllic aerobic bacteria	100,000 cfu per gram (Max)	ICC No.125, AACC 42-11	Batch-wise
	Yeasts and Moulds	1000 cfu per gram (Max)	ICC No.146, AACC 42-50	Batch-wise

Specifications for Potable/Drinking Water :

The potable drinking water to comply with IS 10500:1991 standards.

Recommendations –

Fortified rice shall comply, in terms of raw materials, composition or manufacture, except when specified otherwise in this contract with the following guidelines or standards :

1. (5) Rice, (1) Food Grains meant for human consumption, Regulation 5.4.6 Food Grains, Part 5.4 Cereal & Cereal Products Food Safety and Standard Regulations (2011)
2. Codex Standard for Rice (CODEX STAN 198-1995)
3. Recommended International Code of Practice: General Principles of Food Hygiene CAC/RCP 1-1969 Rev 4 - 2003 including annex “Hazard Analysis and Critical Control Point (HACCP) System and Guidelines for its application”
4. General Principles for addition of essential nutrients to foods: CAC/GL 09-1987 (amended 1989, 1991) of the Codex Alimentarius

Additional requirements

The shelf life of FRK should be at least 12 months from the date of manufacture when stored dry at ambient conditions prevalent at destinations. Fortified rice kernel manufacturers should produce kernels similar to rice supplied by the FCI.

**Quality Assurance (QA)/Quality Control (QC) Plan for Rice Fortification
for FRK producer and Fortified Rice Producer :**

QA/QC plan for Fortified rice producer						
S.No.	Products	Test Details	Testing Frequency	Agency responsible	Place of Testing	Place of sampling
1	Blended Rice	Blending ratio	Every Batch	Fortified Rice producer	Fortified Rice blending unit	Fortified rice producer
2	Blended Rice	Microbial load within prescribed limits	Every Batch	Fortified Rice producer	NABL/FSSAI Accredited Laboratory	Fortified rice producer

QA/QC plan for FRK Producer						
S.No.	Products	Test Details	Testing Frequency	Agency responsible	Place of Testing	Place of sampling
1	Broken rice	Quality Control Parameters	Every Consignment	FRK Producer	National Accreditation Board for Testing and Calibration Laboratories (NABL)/FSSAI Accredited Laboratory	FRK Producer
		microbiological, Pesticide residues and metal contaminants within prescribed limit	As per FSSAI regulations	FRK Producer	NABL/FSSAI Accredited Laboratory	FRK Producer
2	Vitamin Premix	Vegetarian source declaration	Every Batch	Premix Supplier	Premix Supplier	Premix Supplier
		CoA for Micro-nutrient content	Every Batch	Premix Supplier	NABL/FSSAI Accredited Laboratory	Premix Supplier
		Food Grade Certificate	Every Batch	Premix Supplier	Premix Supplier	Premix Supplier
3	Water	Water test report	Once in 6 Months	FRK Producer	NABL/FSSAI Accredited Laboratory	FRK Producer
4	Finished goods	Microbial load, Micronutrient content Heavy metal contaminants	Every Consignment	FRK Producer	NABL/FSSAI Accredited Laboratory	FRK Producer

Source : Technical Handbook of Fortified Rice - FFRC

Annex III

PRICE BID

Sr. No.	Particulars	Unit	Rate inclusive of all taxes.
1.	Cost for Fortification of Rice	Per Kg.	

Note : Rates to be filled online in Financial Bid only.

Signature of Suppliers/Dealers
With Rubber Stamp

Sd/-
Director
Medical & Health Services
“Tel.No.0260-2642940, 2640615”
e-mail ID: svbch.sil@gmail.com