

EXPRESSION OF INTEREST

for

**Empanelment of Manufacturers/Suppliers for supply of Fortified Rice
Kernels (FRK) under MSP scheme of Government of Karnataka for the
year 2022-23**



KARNATAKA FOOD AND CIVIL SUPPLIES CORPORATION LTD

No.16/I, Millers Tank Bed Area, Vasanthnagar, Bangalore-560052

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Notification for the empanelment

No: KFCSC/MSP/Fortified Rice Kernel /2022-23/

Karnataka Food & Civil Supplies Corporation Limited, Government of Karnataka

Empanelling Authority	Managing Director, Karnataka Food & Civil Supplies Corporation Limited (KFCSC), Government of Karnataka, Bengaluru.
Name of Work	EXPRESSION OF INTEREST Empanelment of manufacturers/ suppliers to supply FORTIFIED RICE KERNEL under MSP Scheme-Government of Karnataka for the year KMS 2022-23
Date of publishing the RFP Document	20/12/ 2022
Last date for submission of Proposal	09/01/2023
Date of publishing empanelment list (Tentative)	17/01 /2023
Registration Fees	Rs.2000/-Plus GST @18% (Total amount Rs.2360/)(non-refundable) which shall be deposited through Demand Draft drawn in favour of Managing Director, Karnataka Food and Civil Supplies Corporation Ltd, Payable at Bengaluru.
Contact Details	Karnataka Food & Civil Supplies Corporation Limited, 16/l, Millers Tank Bed Area, Vasanthnagar, Bangalore. Pin code : 560052. Ph : +91 8317397378/ +91 7978926713 PH: 080-41325196/ 22260932 Email : kfcscproc123@yahoo.com

Introduction:

The Karnataka Food and Civil Supplies Corporation (KFCSC Ltd) is a Government of Karnataka undertaking Company, registered under companies Act-1956 having its registered office at 16/I, Millers Tank Bed Area, Vasanthanagar, Bangalore -560052.

The Government of Karnataka has appointed KFCSC Ltd., as its agency for procuring various commodities including paddy under MSP Scheme.

The KFCSC Ltd shall follow offline mode to procure FORTIFIED RICE KERNEL from registered manufacturers/suppliers.

The KFCSC Ltd invites applications from the eligible **FRK manufacturers/suppliers** for enrolment as registered suppliers for supply of **FORTIFIED RICE KERNEL**. The procedure for enrolment, registration of suppliers, terms and conditions for supply of **FORTIFIED RICE KERNEL** under the above scheme are detailed below: -

1. SCOPE OF WORK:-

1.1. The KFCSC Ltd is being appointed as a nodal agency and KSCMF & KSAMB are the other agencies for procurement of paddy and other commodities under MSP Scheme; in the state of Karnataka, which proposes to procure the FORTIFIED RICE KERNEL for the year 2022-23 from the FRK Manufacturer/ suppliers through empanelment.

The requirement of FORTIFIED RICE KERNEL under this scheme for 2022-23 year which has to be supplied to the empanelled Rice Mills appointed by KFCSC Ltd situated at district/ taluka of the state of Karnataka. The quantities indicated in respect of each district may vary depending upon the actual procurement of paddy and requirement as indented by KFCSC / rice millers from time to time.

1.2. Under the above scheme FORTIFIED RICE KERNEL will be procured from the registered FRK Manufacturer/ suppliers as per the eligibility criteria mentioned in Section-3.

1.3. For FRK Manufacturer / suppliers to participate in empanelment process, registration with KFCSC Ltd is mandatory. The procedure for registration with KFCSC Ltd detailed in section-4.

1.4. Payment will be made in advance by respective Rice Millers identified for the district to the suppliers by electronic fund transfer.

2. Tentative Rice requirement

100% of the rice milled should be fortified. Demand estimation of FRK should be done based on the CMR produced in below districts of the Karnataka state as per the requirement. Indent for FRK should be approximately 1% of the CMR obtained out of the total paddy procured in the season.

District	FRK required (in MTs) (Subject to the actual Paddy Purchase Quantity)	
	Jan-23 to Apr-23	
Bellary	37.757	@1% of CMR out of the total Paddy procured
Davanagere	9.904	
Gulbarga	0.684	
Haveri	86.653	
Karwara	7.658	
Raichuru	0.851	
Ramanagara	2.582	
Shivamogga	63.932	
Chamarajnagara	1.403	
Chikkaballapura	0.518	
Chikmagaluru	1.418	
Hassana	62.115	
Kodagu	18.354	
Mandya	714.602	
Mysuru	456.731	
Total	1465.163	

3. ELIGIBILITY / PRE-QUALIFICATION CONDITIONS.

3.1. Eligibility criteria for manufacturers/ suppliers to apply for registration as supplier of FORTIFIED RICE KERNEL with KFCSC for MSP Scheme.

SL. No.	Criteria	Documentary Evidence
1	The Bidder should have FSSAI certification for manufacturing Fortified Rice Kernels	<ul style="list-style-type: none"> FSSAI Certificate/License 99.5 category license Registered as FRK supplier/manufacturers in FSSAI/FFRC
2	Quality control and check	COA report from shared list of NABL accredited labs (refer Annexure) COA report from NABL labs that has cleared proficiency test by FSSAI to test the micro nutrients in Fortified Rice Kernels.

* **Duration of Service: six (6) months from the date of issue of Letter of Empanelment (LoE).**
Depending on the gravity of the situation, Managing Director, KFCSC, reserves the right to extend the service up to 3 months from the date of expiry.

4. DOCUMENTS TO BE SUBMITTED ALONG WITH APPLICATION FOR REGISTRATION OF SUPPLY OF FORTIFIED RICE KERNEL

- 4.1 Self-attested Copy of PAN card.
- 4.2 Self-attested Copy of Certificate of registration under GST Act.
- 4.3 The address proof of the authorized signatory viz latest Telephone bill/ copy of valid passport/ latest electricity bill/valid voter ID proof/ Aadhar should be submitted along with the application. The address proof in respect of the firm shall be either certificate of registration or certificate of incorporation issued by the concerned authority.
- 4.4 Bank Account details of the firm along with address of the bank, IFS Code should be submitted on letter head of the firm duly signed by the authorized signatory or Cancelled Bank cheque.
- 4.5 Self-attested copy of valid FSSAI license/ Certificate and 99.5 category license issued by the concerned authority shall be submitted.
- 4.6 One set of above self-attested documents to be enclosed along with application (Annexure1) for registration and to be submitted to KFCSC Limited along with copy of RFP affixing signature on all the pages with seal.
- 4.7 For registration with KFCSC the firm has to enclose Annexure-1.
- 4.8 **Rs.2000/-Plus GST@18 % (Total amount Rs.2360/-) which shall be deposited through Demand Draft towards (non-refundable) application fee in favour of Managing Director, Karnataka Food and Civil Supplies Corporation Limited, payable at Bengaluru.**
- 4.9 Managing Director, KFCSC Limited has the sole discretion to accept, reject or keep the applications pending for registration for supply of FORTIFIED RICE KERNEL in respect of above empanelment.

5. EVALUATION OF APPLICATION FOR REGISTRATION :

All the relevant documents submitted will be scrutinized by KFCSC/KSCMF/KSAMB.

- 5.1 Only those firms which submit their duly filled application forms (Annexure-I) along with all relevant documents shall be considered for empanelment based on the evaluation criteria.
- 5.2 Based on the eligibility, CAO report and pricing KFCSC Ltd will scrutinize and evaluate the FRK manufacturer and finalize the L1 quotation and same will be communicated to the FRK manufacturers. Further process of empanelment is to invite the interested FRK manufacturers to agree upon the L1 price.
- 5.3 KFCSC cannot guarantee any indent quantity; it shall be based on need basis.

6. SCHEDULING OF EMPANELMENT.

- 6.1 Based on the requirements, KFCSC Ltd will schedule empanelment. Further such details will be posted on the website of KFCSC Ltd <https://kfcsc.karnataka.gov.in>
- 6.2. All registered suppliers are eligible to participate in empanelment process subject to terms and conditions detailed in this document.

7. QUALITY PARAMETERS:

Quality Specifications for Fortified Rice Kernel

Parameter	Specification	Reference
Moisture content, per cent by mass	12% (Maximum)	IS 4333 (Part 2)
Organoleptic (Smell, Color)	Pleasant smell. Typical color (White to off-white)	Visual Observation
Extraneous Matter	Free from all physical impurities	Visual Observation
Total Aerobic plate count	10000 cfu per g (max)	AOAX 966.23/IS:5402-2002/ICC no.125 , AACC 42-11
Yeasts and Moulds	100 cfu per g (max)	AOAC 997.02, IS:5403:1999 (Reaff.2013) / ICC no. 146, AACC 42-50
Insect infestation	Nil	Visual observation

Rice flour: The FRK manufacturer should ensure that the rice flour used for FRK production should comply to 24(a), Rice flour for preparation of Fortified Rice Kernels of Annexure 1 of draft Food Safety and Standards (Food Product standards and food additives) Amendment Regulations, 2022.

Product	Parameter	Specification	Reference
Rice flour	Particle size % (not less than)	90% passes through 60 mesh	Is 1155
	Moisture % by mass (not more than)	14.0	ISO 712-2009/IS 4333 (Part - 2)
	Acid Insoluble ash % by mass (on dry basis), not more than	0.15	IS 1155
	Alcoholic Acidity, % not more than	0.18	IS 1155
	Uric Acid, mg/kg, not more than	100	IS 4333(part 5)
	Yeast & mould count (cfu/g)	100	AOAX 997.02, IS:5403:1999 (Reaff.2013)/ICC no. 146, AACC 42-50
	Aerobic Plate count (cfu/g)	10,000	AOAC 966.23/IS:5402-2002/ICC no. 125, AACC 42-11

Standards of level of fortification per 100g, with mandatory micronutrients as specified by FSSAI

SL.No	Nutrient to be added mandatorily	Level of fortification per 100g
1	Iron – Micronized ferric pyrophosphate	352.5 mg- 425 mg*
2	Folic Acid – Folic acid:	1000 ug – 1250 ug
3	Vitamin B12- Cyano cobalamine or Hydroxy cobalamine	10 ug – 12.5 ug

Note: *added at a higher level to account for less bio availability

To ascertain above levels, given below are the finished product specifications:

Table 2: Fortified rice kernels specifications:

Ingredient	Parameter	Specification	Reference	Frequency
Fortified Rice Kernels	Shape	Manufactured grain should resemble the normal milled rice as closely as possible	Milled rice from the rice mill at state/UT	Each consignment
	Average Grain Length	To match with milled rice produced at the Rice Mill Average Length to be around 5mm	Milled rice from the rice mill at state/UT.	Each consignment
	Average Grain Breadth	To match with milled rice produced at the Rice Mill. Average Breadth to be around 1.1 mm	Milled rice from the rice mill at state/UT.	Each consignment
	Moisture	12% w/w (Max) at the time of receipt.	ISO 712-2009/IS 4333, Part 2	Each consignment
	Broken rice (% by mass)	1% maximum	IS 4333, (Part 1)	
	Foreign matter (% by mass)	0.001(max)	Annex A	
	Damaged grains	Absent	IS 4333 (Part 1)	
	Discoloured grains	Absent	IS 4333 (Part 1)	
	Chalky grains	Absent	IS 4333 (Part 1)	

	Admixture	Absent	IS 4333 (Part 1)	
	Extraneous Matter	Free from organic and inorganic extraneous matter	Visual Observation	Each Consignment
	Kernel Count per g	50-75	Weighing	Each consignment
	Colour	White to Off-white	Visual Observation	Each consignment
	Iron	As per FSSAI standards	AOAC 944.02 or AACC 40-70.01 (Total iron present in ferric form using atomic absorption Spectropotometry or AOAC 984.27 using ICP Emission.)	Each consignment
	Folic Acid	As per FSSAI standards	AOAX 992.05 or EN 14131 using microbiological extraction	Each consignment
	Vitamin B12	As per FSSAI standards	AOAX 2011.10 960.46 or AACC 86-40.01 using HPLC at 550 nm wavelength	Each consignment
	Mesophilic aerobic bacteria	10000 cfu per gram (MAX)	IS 5402 (Part 1) ICC no 125, AACC 42-11	Each consignment
	Yeasts and Moulds	100 cfu per gram (MAX)	IS 5403, ICC no 146, AACC 42-50	Each consignment
	Coliform	10 cfu per gram (max)	IS 5401 (Part 1)	Each consignment
	Cooking test	FRK to retain physical properties and micronutrient levels. After being subject to washing and cooking characteristics to be similar to	Cooking characteristics of FCI rice	Each consignment

		<p>FCI rice. Percent solid loss after cooking shall be less than 10 per cent cooking time shall be within 10 percent deviation to milled rice to which it is to be blended.</p> <p>Texture of the cooked fortified rice kernel shall be similar to cooked unfortified rice in which it is to be blended when tested using texture profile analyzer.</p> <p>Nutritional retention in cooked fortified rice kernels shall be more than 90 percent for iron, 80 to 60 percent for folic acid (Vitamin B9) and more than 60 percent for vitamin B12.</p>		
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*Due consideration should be given to storage and cooking losses.

- 7.1** The supplier should comply to FSSAI standards released on 23rd June 2022. Annexure 11 of draft Food Safety and standards (Food Product Standards & food Additives) Amendment regulations, 2022 with respect to Fortified Rice Kernels (FRK).
- 7.2** The standards set of Bureau of Indian Standards for premix, Fortified Rice Kernels and FRK manufacturing machine should be adhered to. The following standards need to be adhered by empanelled FRK manufacturers.

IS 17781: 2021 – VITAMIN MINERAL PREMIX FOR MANUFACTURING FORTIFIED RICE KERNELS-SPECIFICATION

IS 17782:2021- FORTIFIED RICE KERNELS-SPECIFICATION

IS 17853: 2022 EQUIPMENT FOR MANUFACTURE OF FORTIFIED RICE KERNEL SPECIFICATION

7.3 Given below is the link for the above BIS standards which FRK manufacturer should refer to <https://rb.gy/lhdvnf> (Copy and paste this link in Google to find BIS standards documents)

7.4 Production of FRK: 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 which has heating zones with different temperatures to produce kernels similar in shape and size of rice. These kernels are dried in multilayer dryer and passed through cooling conveyor and packaged.

7.5 Certificate of analysis (CoA) from NABL accredited labs that has cleared proficiency test, for each batch should be shared with the committee headed by FCS department for approval. CoA must contain both micronutrient and microbiological analysis. FRK manufacturer should ensure that the CoA of the Premix as per the FSSAI prescribed norms and it has to be validated by the committee before starting the production of FRK.

7.6 Standards of fortification: FRK to contain the following micronutrients: (i) Iron, (ii) Vitamin B12, (iii) Folic Acid at the levels as specified by FSSAI.

7.7 The Supplier/ manufacturer must be FSSAI licensed / registered under category 99.5 and should have a valid license for production of FRKs. For compliance with food safety standards, the processor must be able to demonstrate by principle and practice the adoption, implementation and recording of:

- Good Manufacturing Practice (GMP)
- Hazard analysis critical Control Point Program (HACCP)
- Quality Management System

In this context, an appointed Food Safety Officer / Quality Inspector / Official of State Food & Civil Supplies, department representative from KFCSC, KSCMF & KSAMB is entitled to visit the rice mill without prior notice during any period when the product is being manufactured to check that the GMP and HACCP systems are in place. Food safety Officer may request to see:

- Records (i.e names of Production and Quality Assurance in charge)
- Records of in process control parameters such as temperature inside the extruder in all three zones, dryer and cooler. Moisture content in raw rice flour, Rice + Premix, just extruded kernel, Kernel after drying and Kernel before packaging.
- Record on FRK testing reports on cooking characteristics, time & Temperature, Length & width.
- Procedures (eg, cleaning, personnel hygiene, HACCP, sampling and analysis)
- Work Instructions (eg, process instructions, cleaning instructions)
- Quality manual for the FRK manufacturing process.
- Records on Pest control treatment.
- Test Report on water analysis

FRK manufacturer/supplier is expected to share the following documents with the State Food & Civil Supplies Department/State level committee for review:

- I. Process for manufacture of FRK
- II. Cleaning of plant & equipment
- III. Testing protocols for in process and finished goods
- IV. Certificate of Analysis (COA) for each batch of premix received for production of the FRK
- V. Extrusion Temperature.
- VI. Dryer Temperature.
- VII. Kernel length, width and density
- VIII. Cooking quality

Deviation & Corrective Action Records

7.8 Shelf Life: The FRK Produced should have a shelf life of minimum 12 months when the consignment is received at the delivery location.

8. ORDER FOR SUPPLIES.

- 8.1** The empanelled suppliers shall be contacted by empanelled rice millers for placing indent and necessary payments.
- 8.2** The KFCSC Ltd does not guarantee the minimum quantity, which will be ordered by empanelled rice miller. The empanelled rice millers reserves the right to order for only such quantity as may be necessary and the empanelled supplier is bound to supply the ordered quantity at the designated rice mills.

9 TERMS AND CONDITIONS OF DELIVERY.

9.1 The successful suppliers should take adequate precautions to prevent damage or deterioration to FORTIFIED RICE KERNEL during storage/transportation. He should also insure the stock during transit at his own cost.

9.2 The successful suppliers should deliver at his cost the FORTIFIED RICE KERNEL to the rice miller place as per the indent issued by rice millers.

9.3 The successful FRK to be delivered in appropriately labelled 20-25 Kg woven HDPE bags with an inner LDPE Liner. The material should consist of Polypropylene or High Density Polyethylene with lamination and should be woven. The materials used for manufacturing woven laminated bags should be food grade virgin material complying IS specifications and the specifications given below.

9.4 Outer packaging material: Laminated Woven High Density Polyethylene (HDPE) / Poly Propylene bags.

Outer bag: 80g

9.5 Inner Liner Packaging Material: Low Density Polyethylene (LDPE)

Liner Thickness: 250 gauge

Packaging Size: 20-25 Kg

The bags should be properly stitched by double thread stitching.

9.6 The markings on the bag should mention the below as per BIS standards. The draft label shall be shared with KFCSC/KSCMF, Karnataka well in advance for approval.

9.7 Name and address of the manufacturer

Date of Packaging.

Lot/Batch number.

Net weight/quantity.

List and levels of micronutrients and their chemical form.

9.8 Storage instruction.

Instruction for usage (intended level of blending 1:100 or 2:100).

Not for retail sale.

Best before.....month.....year

Any other information required under the legal Metrology (Packaged Commodities) Rules, 2011, the Food Safety and Standards (Labelling & Display Regulations, 2020

9.9 Name of the product

Vegetarian logo

It should mention in bold 'Not for direct human consumption' and only to be sold for industrial purpose to manufacture Fortified rice. Neither be sold in loose form nor be sold directly to consumer.

It should mention 'not to be construed as substitute for rice or rice flour' and 'not to be consumed as an individual product'.

10 **PENALTY CLAUSE**

10.1 In case if the supplier fails to complete the supplies in time as per indent/ repeatedly doesn't supply good quality goods/supplies adulterated goods, empanelled millers reserves the right to cancel the order mentioned in the purchase order and proceed with the purchase of the same item from other empanelled suppliers

10.2 The difference in cost if any, for procurement of Fortified Rice Kernel from the above alternative sources will be recovered from the defaulted supplier by initiating legal action. Corporation may also proceed with blacklisting of the firm depending on the gravity of the situation. Black listing will be for a period of three years from the date of said order and the agency will be barred from participating in any empanelment/ tender of KFCSC for that period.

In addition to this, in case of any false/wrong documents are submitted as per clause 3 & 4 of the empanelment document, KFCSC shall have the right to cancel the empanelment.

11. ARBITRATION:

11.1 In case of any disputes relating to empanelment including the interpretation of any of the Clause/Clauses of this document, the matter shall be referred to Managing Director, KFCSC Limited.

11.2 In case of any disputes relating to supplies including the interpretation of any of this document not resolved as per Clause 11.1, the matter shall be referred to a sole arbitrator, appointed by the Government of Karnataka. The remuneration for the arbitrator shall be fixed by the Government. The arbitration shall be held in Bangalore and the decision of the arbitrator shall be final and binding on both parties to the arbitration. The arbitration will be conducted in accordance with arbitration and conciliation Act, 1996. Court situated in Bangalore to the exclusion of all other courts in India, only shall have the jurisdiction in the matter.

12. FORCE MAJEURE:

Should any of the force majeure circumstances, namely act of God, natural calamity, fire, Government of India Policy or Karnataka State Government's Policy, restrictions (excluding any stock limits), strikes or lock-outs by workmen, war, military operations of any nature and blockades preventing the Seller/Buyer from wholly or partially carrying out their contractual obligations, the period stipulated for the performance of the Contract shall be extended for as long as these circumstances prevail, provided that, in the event of these circumstances continuing for more than three months, either party shall have the right to refuse to fulfill its contractual obligations without title to indemnification of any losses it may thereby sustain. The party unable to carry out its contractual obligations shall immediately advise the other party of the commencement and the termination of the circumstances preventing the performance of the contract. A certificate issued by the respective Chamber of Commerce shall be sufficient proof of the existence and duration of such circumstances.

We agree to the terms and conditions detailed in section 1 to 13 of this document.

Signature of the applicant.

Name:

Seal:

Date:

ANNEXURE-1**APPLICATION FOR EMPANELMENT AS MANUFACTURER/SUPPLIER OF FORTIFIED RICE KERNEL UNDER / MSP SCHEME FOR THE YEAR 2022-23.**

(NOTE: Form should be printed on the letter head of the firm or with FIRM RUBBER STAMP, should be filled up in Capital letters and each page of the application form has to be signed by the authorized signatory)

1. Name & Address of the applicant/ Firm	
2. Office Address (Registered Office) 1. Telephone No. 2. Mobile No. 3. E-mail address 4. Name of the contact person 5. Mobile no.	
3. Permanent Account Number A/c No. (PAN No.)	
4. GST number & date (as applicable)	
5. Nature of firm 1. If Partnership firm Name & Address of all Partners. 2. If Registered under Companies Act, Name of the Chairman and Managing Director with full address. 3. Name & Address of Proprietor If Proprietor concern	
6. Rs. 2000/- Plus GST @ 18 % (Total amount Rs. 2360/-) which shall be deposited Demand Draft in favour of Managing Director, Karnataka Food & Civil Supplies Corporation Ltd. Payable at Bengaluru, towards (non-refundable) registration fee.	DD No. and Date
7. FSSAI License and 99.5 category license number	
8. Price of FRK/kg (inclusive of all incidentals and applicable taxes) – Price to be quoted by FRK supplier	
9. Name of the Authorized signatory (a copy of the authorization to be enclosed wherever necessary)	

I hereby agree to abide by terms & conditions stipulated vide Clause 1 to 13 for empanelment as Supplier of FORTIFIED RICE KERNEL. The duly signed terms and conditions of EoI (Expression of Interest) document for supply of FORTIFIED RICE KERNEL is enclosed to this application along with relevant documents.

Date:

Name & Signature of the Supplier

Place:

Address & Seal

Signature of the Applicant

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