

GOVERNMENT OF ODISHA
FOOD SUPPLIES & CONSUMER WELFARE DEPARTMENT
Invitation for Expression of Interest
No 3789 /Date 26.2.2021

Food Supplies & Consumer Welfare Department, Odisha intends to procure **Fortified Rice Kernels (FRKs)** from registered manufacturing firms. The details of Terms of Reference (ToR) can be downloaded from <http://www.foododisha.in>

Sealed proposals are invited from interested manufacturing firms (as per annexure-I of the ToR) for supply of Fortified Rice Kernels (FRK) for four districts of **Baragarh, Kalahandi, Sambalpur and Subarnapur of Odisha State**. The proposals shall be submitted through Speed Post/Registered Post only addressed to “**Joint Secretary to Government (NFSA), Food Supplies & Consumer Welfare Department, Loka Seva Bhawan, Sachivalaya Marg, Bhubaneswar-751001, Odisha**”. Last date for receipt of proposals in all respect is **on or before 10.03.2021, by 5.00 PM**. The authority reserves the right to cancel any or the entire tender process without assigning any reason thereof.

-Sd-
Joint Secretary

Government of Odisha

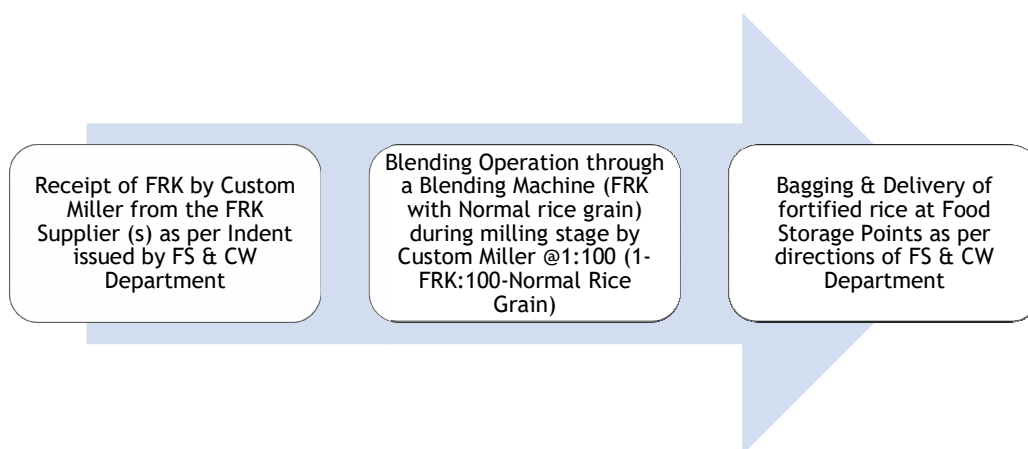
Supply of Fortified Rice Kernels (FRK)

Terms of Reference (ToR)

Through these terms of reference, Food Supplies & Consumer Welfare Department, Government of Odisha intends to procure **FORTIFIED RICE KERNELS (FRKs)** from registered FRK manufacturing firms, for further blending with regular rice to form fortified rice in **four districts** of Baragarh, Kalahandi, Sambalpur and Subarnapur of Odisha State.

Fortification of rice is a two-step process; which involves the a) procurement of fortified rice kernels and b) their further blending with regular rice in a ratio varying between 0.5%-2%. Fortified Rice Kernels (FRKs) are manufactured by combining rice powder and micronutrients, using appropriate extrusion technology. The micronutrient fortified rice kernels closely resemble the sheen, transparency, consistency and flavour of rice. In the given project, to fortify the rice, these fortified rice kernels will be blended with the rice in a ratio of 1:100, i.e. 1MT of FRK is mechanically blended with every 100 MTs of rice to get 101 MTs of appropriately fortified rice.

Strategy for Rice Fortification: Fortified Rice Kernels (FRK) will be procured by the Odisha State Civil Supplies Corporation Limited (OSCSC) on behalf of the Department of Food Supplies & Consumer Welfare, Government of Odisha. The indented consignment (s) of fortified rice kernels shall be delivered at the designated locations in **four districts** of Baragarh, Kalahandi, Sambalpur and Subarnapur of Odisha State by the Manufacturer (s) selected and empanelled by Department of Food Supplies & Consumer Welfare, Government of Odisha under rice fortification programme.



Requirements from FRK suppliers:

1. **Composition of Fortified Rice Kernels:** Each FRK granule to contain - Normal rice powder with micronutrients (i) Iron, (ii) Vitamin B-12 (iii) Folic Acid, as per the proportion decided by the Technical Advisory Committee.

2. **Requirement of Fortified Rice Kernels by Government of Odisha:** The tentative requirement of FRK for the listed four districts is **4,000 MT** & the tentative delivery schedule is given as under:

i. **Delivery Modalities of FRK**

Timeline:

Name of the Districts	Requirement of FRK in 'MT' (Approx)	Timeline for Delivery FRK Consignments (Tentative)
Baragarh	1,624.000 MT	By Last Week of March 2021
Kalahandi	955.000 MT	By Last Week of March 2021
Sambalpur	608.000 MT	By Last Week of March 2021
Subarnpur	813.000 MT	By Last Week of March 2021

- ii. Interested bidder shall submit bid taking into consideration one district as a separate unit based on its FRK production & delivery capacity with reference to Annexure-I, Table Serial No-11, within the above tentative timeline.
- iii. In case it is found that bidder applied for more than one unit district becomes L1 but the FRK production & delivery capacity doesn't commensurate with the above tentative timeline, the tender committee reserves the right to negotiate with the L2 bidder at L1 quoted rate for supply of the total requirement of the unit district, at any ration as appropriate or for distribution of districts among the selected firms for supply of FRKs, in the interest of public.
- iv. FS & CW Department shall be the final decision making authority for such recommendation of the tender committee.

3. **FRK Delivery Address:** Consignee is Civil Supplies Officer-cum-District Manager, Odisha State Civil Supplies Corporation Limited in **four districts** of Baragarh, Kalahandi, Sambalpur and Subarnapur. FRK shall be delivered at in one of the RRC-cum-DSC at district headquarter as per direction of the respective Civil Supplies Officer-cum-District Manager, Odisha State Civil Supplies Corporation Limited of the listed four districts.

4. **Packaging instructions:** FRK shall be delivered in appropriately labelled **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: 80g Inner Liner Packaging Material: LDPE Liner Thickness: 250 gauge Packaging Size: 20 kg

5. **Marking instructions:** The markings on the bag should mention the following. The draft label shall be shared with Government of Odisha well in advance for approval.

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

6. **A Certificate of Analysis (CoA)** for the produced FRK covering the micronutrient levels and microbiological parameters from an external NABL accredited laboratory should be submitted to Department of Food Supplies & Consumer Welfare, Government of Odisha, Odisha Secretariat, Bhubaneswar, at least 2 (two) weeks in advance of the date of despatch of the FRK to **four above districts** for necessary approval by the Technical Advisory Committee. The supplier shall, along with the COA, also submit a 500 gram sealed sample drawn from the consignment to be supplied against the indent received from the Department of Food Supplies & Consumer Welfare, Government of Odisha, for necessary examination and approval by the Technical Advisory Committee after which the consignment (s) shall be despatched.
7. **Shelf Life of FRK:** The FRK produced should have a shelf life of minimum 12 months when the consignment is received at the delivery location.
8. **Responsibilities of Fortified Rice Kernels (FRK) Supplier:** 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.

The FRK manufacturer shall develop and maintain Standard Operating Procedures (SOPs) for the production of the kernels for the given composition which includes details on - (i) Process for manufacture of FRK; (ii) Cleaning of plant & equipment; (iii) 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 submission with Government of Odisha.

- 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

9. Indicative levels of micronutrients and premix: The indicative levels of micronutrients and premix are below. However, the levels of micronutrients and premix will be as per decisions of the Technical Advisory Committee.

Vitamins and Minerals	Chemical Form	Minimum Levels of micronutrients/ Kg of Fortified rice at beneficiary level	Minimum Levels of micronutrients/ 10 gm fortified rice kernels* (Ex-factory)
Iron	Ferric pyrophosphate (Micronized) Particle size < 3 microns	42.5 mg	47.22 mg
Folic acid	Folic acid	125 ug	250 ug
Vitamin B12	Cyanocobalamine	1.25 ug	2.5 ug

**10 gm fortified rice kernels for blending with 1 kg regular rice to form fortified rice*

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

Table 2: Finished Product specifications: The specification is indicative. However, the levels of micronutrients and premix will be as per decisions of the Technical Advisory Committee.

Ingredient	Parameter	Specification	Reference	Frequency
Fortified Rice Kernels (Minimum Levels of micronutrients/ 10g of FRK required for blending with 1 kg regular rice for form fortified rice)	Shape	Manufactured grain should resemble with the normal milled rice	Rice supplied to each of the listed four districts	Each consignment
	Average Grain Length	To match with specification as prescribed for rice by Government of India (5 mm)	Rice supplied to each of the listed four districts	Each consignment
	Average Grain Breadth	To match with specification as prescribed for rice by Government of India (2 mm)	Rice supplied to each of the listed four districts	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 per g	50 - 75	Weighing	Each Consignment
	Color	White to Off-white (Should nearly match the colour as prescribed for rice by Government of India)	Visual Observation	Each consignment
	Iron	47.22 mg	AOAC 2011.14 (ICP) or AOAC 984.27 using ICP Emission (total iron present in ferric form).	Each consignment

Ingredient	Parameter	Specification	Reference	Frequency
	Folic Acid	250 mic g	AOAC 992.05 or EN 14131 using microbiological extraction	Each consignment
	Vitamin B12	2.5 mic g	AOAC 2011.10, 960.46 or AACC 86-40.01 using HPLC at 550 nm wavelength	Each consignment
	Mesophillic 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	<ul style="list-style-type: none"> ▪ FRK to retain physical properties and micronutrient levels after being subject to washing and cooking ▪ Cooking characteristics to be similar to rice supplied under PDS 	Cooking characteristics to be similar to rice supplied under PDS	Each consignment

10. Micronutrient premix used in the development of FRK: The micronutrient premix for production of FRK to be procured from an approved supplier with a valid FSSAI license.

Micronutrient premix must be delivered to the processor of Fortified rice kernels with a complete certificate of analysis (CoA) as well as proof of purchase of premix. Micronutrient premix to be stored in a dry, cool & clean place. Storage temperature should not exceed 25°C. 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 3 to cater to losses during the production process.

Table 3-Minimum overages for production and storage/cooking losses to be considered for designing the premix for the production of FRK

Micronutrient	Production Losses	Storage/Cooking Losses
Iron	16%	10%
Folic acid	20%	50%
Vitamin B12	20%	50%

The micronutrient premix shall contain appropriate food grade material. The premix shall be of vegetarian source. 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 Department of Food Supplies & Consumer Welfare, Government of Odisha on email before each batch of production.

11. Food safety and risk assessment at manufacturing premises: The FRK manufacturer must be registered under Food Safety and Standards Authority of India (FSSAI) and should have a valid license for production of fortified rice kernels. For compliance with food safety standards, the processor must be able to demonstrate by principle and practice the adoption, implementation and recording of:

- a. Good Manufacturing Practice
- b. Hazard Analysis Critical Control Point program
- c. Quality Management System

In this context, a Government of Odisha Officer, shall visit the factory without prior notice during any period when the product is being manufactured to check that the GMP and HACCP systems are in place. The Officer may request to see in the FRK manufacturing factory:

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

12. Specifications for Milled Rice (Broken): Broken rice to comply with the following specifications:

Product	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
	Mesophillic 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

13. Specifications for Potable/Drinking Water: The potable drinking water to comply with IS 10500:1991 standards. The water should be tested at least once in quarter and reports should be kept in the records.

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:

- i. (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).
- ii. Codex Standard for Rice (CODEX STAN 198-1995).
- iii. 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”.
- iv. General Principles for addition of essential nutrients to foods: CAC/GL 09-1987 (amended 1989, 1991) of the Codex Alimentarius.

14. Eligibility/Prequalification conditions

- a) The firm should be registered in India under Companies Act/ Partnership Firm/ Sole-proprietorship firm or any other registered body having valid registration certificate.
- b) The firm shall have its own manufacturing unit of Fortified Rice Kernels.
- c) The firm shall have valid **GST registration** issued by concerned authorities.
- d) The FRK manufacturer should possess a valid FSSAI license and comply with plant Hygiene requirements detailed out in FSSAI.
- e) The firm should not have been blacklisted/convicted for any offences or violation of any State or Central act such as essential commodities act etc or any criminal offence under IPC.

15. Documents to be furnished along with application for registration

- a) Copy of Incorporation certificate/Firm Registration Certificate.
- b) The copy of audited balance Sheet and profit/loss account for past three years duly certified by Chartered Accountant (Statutory Auditor) if it is a own processing unit shall be submitted.
- c) Firm shall submit attested copy of the Income Tax returns of last three years or from the establishment of the plant duly certified with a copy of a PAN card attested by authorized signatory.
- d) Attested copy of Certificate of registration under GST Act as applicable shall be submitted.
- e) The firm shall have to produce the valid license from FSSAI.
- f) An affidavit on Rs 100 Non-Judicial stamp paper and attested by the Notary.
 - i. Not having been prosecuted for violation rules/law under Essential Commodities Act or any such others law or orders there under in any court of law.
 - ii. Not having been black listed by any organization or Government for non-performance of contractual obligation.
- g) In case of partnership firm or Co-operative or Corporate, the Fortified Rice Kernels (FRK) Processing Units, should furnish a copy of the partnership deed or byelaw or memorandum as the case may be. In case of partnership firms the share holding pattern should be duly certified by the Chartered Accountant along with details of name, age, education and experience of the partners. In case of Co operative / corporate body copy of letter of authorization to the Chief Executive or the

authorized person to participate in the tender process should be furnished.

- h) The Fortified Rice Kernels (FRK) Processing Units should furnish letter of authority or power of attorney for having authorized the person to sign the documents on behalf of firm or society or corporate body. Attestation of signature of such authorized signatory from the bank where the firm is having its account is essential.
- i) The address proof of the authorized signatory viz Telephone bill/copy of pass port / electricity bill/voter ID proof 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.
- j) Bank account details of firm along with IFSC code, Branch details, address shall be furnished in the letterhead of the firm.
- k) Copy of Experience of running these Services. The Firm shall submit necessary documents in support of current capacity of manufacture & supply of FRKs.

16. Other Terms & Conditions

- a) The interested bidder need to submit **EMD** of Rs 5 (five) lakhs (Rupees five lakhs) for each district applied, in shape of a demand draft drawn in favour of '**Managing Director, Odisha State Civil Supplies Corporation Ltd, Bhubaneswar**' payable at **Bhubaneswar** along with the documents. The EMD of every unsuccessful bid shall be refunded within 15 days of finalisation of the tender process. *The Firm shall deposit the EMD of Rs. 5 Lakhs for each applying district separately i.e. If the bidder wishes to apply for two districts for supply of FRK, then two separate demand draft each of Rs.5 lakhs shall be deposited as EMD separately.*
- b) The successful bidder upon receipt of communication regarding acceptance of bid by FS&CW Department shall have to submit performance security in shape of Bank Guarantee for an amount equivalent to @5% (Five per cent) of the Work Order value.
- c) All the post selection process including terms of DELIVERY of material and payment will be communicated by FS&CW Department to the L1 bidders after accepting the L1 prices.
- d) The lowest valid bid once approved by the FS&CW Department will be declared as successful L-1 bidder and the same will be communicated by e-mail to the successful bidder. However the FS&CW Department reserves the right, without giving any reason, to accept or to reject all or any bid including lowest bid.

17. Mode of Submission & Method of Selection of Proposal:

The proposals shall address all the requirement of this expression of interest and must be submitted in the English language. The intending supplier has to submit the 'COMMERCIAL' proposal in one sealed envelope duly super-scribed in bold mark as "***Expression of Interest for Supply of FORTIFIED RICE KERNELS (FRKs) for the District <Please mention District> (Name of the District)***". The proposal shall be prepared in indelible ink. It shall contain no interlineations or overwriting, except as necessary to correct errors made by the bidder itself. Any such corrections must be initialled by the person (or persons) who sign(s) the proposals. The proposals shall be submitted through **Speed Post/Registered Post only** to "**The Joint Secretary (NFSA), Food Supplies & Consumer Welfare Department, Loka Seva Bhawan, Sachivalaya Marg, Bhubaneswar-751001, Odisha**" and no hand receipt of the proposal shall be entertained. FSCW Dept would not be responsible for any delays caused by the registered post/speed-post in this matter. The

Least Cost Basis (LCB) method shall be used to select the supplier.

18. Other considerations:

The FRK manufacturer shall also ensure that each consignment of FRK matches with the rice as per specifications prescribed by Government of India.

19. Time Schedule:

The detail Terms of Reference (ToR) of the Expression of Interest (Eoi) shall be made available in the official website <http://www.foododisha.in> on date 26.02.2021. The last date for submission of proposal on or before the on date 10.03.2021, by 5.00 PM. The sealed proposals shall be opened & evaluated on date on date 12.03.2021 at 3.30 PM.

20. Placement of Work Order :

The work order to the seelcted firm shall be placed on the district-wise actual requirement of FRK. Any delay in start of delivery of 1st consignment within 7 days from issue of Work Order, it may attract penalty as deemed appropriate and also may lead to cancellation of the contract agreement.

21. Queries: Interested bidder may raise their queries through e-Mail ID mghaque786@gmail.com , domains.pmutpds@gmail.com & finance.pmutpds@gmail.com on or before 3rd March 2021, reply of which will be communicated via return mail.

APPLICATION FOR SUPPLY OF FORTIFIED RICE KERNELS (FRK)

Particulars	Details to be Furnished
1. Name of the Firm	
2. Office Address of the Firm <ul style="list-style-type: none"> ▪ Telephone No. ▪ Fax No ▪ Mobile No. ▪ e-mail ▪ website 	
<ul style="list-style-type: none"> ▪ Factory Address ▪ Telephone ▪ Fax 	
3. Permanent Account Number (PAN No)	
4. GSTIN No. & date	
5. If Partnership firm <ul style="list-style-type: none"> a) Name & Address of all Partners b) If Registered under Companies Act, Name of the Chairman and Managing Director with full address c) Name & Address of Proprietor if Proprietor concern 	
6. EMD Details	
7. Year of Establishment of the firm/Company	
8. Annual Turnover (Rs. In Crores) <ul style="list-style-type: none"> ▪ 2017-18 ▪ 2018-19 ▪ 2019-20 	
9. Name of the Authorized signatory (a copy of the authorization to be enclosed wherever necessary)	
10. Name of the District Applied for the Bid	
11. Current capacity of the Firm to Manufacture & supply of FRKs (Per Day in 'MT')	

I hereby agree to abide by the Terms of Reference (ToR) of the Express of Interest (EoI) document stipulated for submission of expression of interest as Supplier of Fortified Rice Kernels. The duly signed Terms of Reference (ToR) of the Express of Interest (EoI) document is enclosed to this application along with relevant documents.

Date

Place

Signature of the Bidder

Template for Submission of Financial Proposals

Table-A

Rate to be quoted for Supply of Fortified Rice Kernels (FRKs)				
Unit NO	Name of the District Applied	Cost per Kg of FRK (In Rs./Paisa) in Figure	GST @ _____%	Total Cost in Rs./Paisa
A	B	C	D	E=C+D
1	Bargarh			
Rate (quoted in 'C') in words _____				

Table-B

Rate to be quoted for Supply of Fortified Rice Kernels (FRKs)				
Unit NO	Name of the District Applied	Cost per Kg of FRK (In Rs./Paisa) in Figure	GST @ _____%	Total Cost in Rs./Paisa
A	B	C	D	E=C+D
1	Kalahandi			
Rate (quoted in 'C') in words _____				

Table-C

Rate to be quoted for Supply of Fortified Rice Kernels (FRKs)				
Unit NO	Name of the District Applied	Cost per Kg of FRK (In Rs./Paisa) in Figure	GST @ _____%	Total Cost in Rs./Paisa
A	B	C	D	E=C+D
1	Sambalpur			
Rate (quoted in 'C') in words _____				

Table-D

Rate to be quoted for Supply of Fortified Rice Kernels (FRKs)				
Unit NO	Name of the District Applied	Cost per Kg of FRK (In Rs./Paisa) in Figure	GST @ _____%	Total Cost in Rs./Paisa
A	B	C	D	E=C+D
1	Subarnapur			
Rate (quoted in 'C') in words _____				

N.B.:

- All the prices to be quoted in the above financial proposal table formats are in accordance with the detail terms of reference (ToR) as specified in this EoI document.
- The cost to be quoted 'per Kg of FRK' exclusive of GST. The rates to be quoted separately for each district.
- Each district shall be taken as separate unit. Hence, the district wise lowest unit cost per Kg of FRK quoted at column 'C' shall be the decision factor for selection of agency for each district.

- d) The quoted cost shall be inclusive of **all incidental & ancillary cost** such as Manufacturing Cost, Excise duty, freight charges & cost of transportation from Supplier's site to one of the RRC-cum-DSC at district headquarter.
- e) The GST shall be mentioned separately in the specified column 'D'.
- f) Any conditional quotation will not be accepted.
- g) The interested supplier needs to reflect the Cost and Tax figure separately in the financial proposal. In case of differential tax structure, the cost figure exclusive of Tax shall be taken into account for evaluation of the lowest quotation.
- h) The quoted price should be expressed in Indian rupees.
- i) The interested supplier shall clearly mention '-NA-' in the specific table where bidder does not want to participate for supply FRK to any district.

Date

Place

Signature of the Bidder