

GOVERNMENT OF ODISHA
FOOD SUPPLIES & CONSUMER WELFARE DEPARTMENT

Re-Invitation for Expression of Interest (EOI)

No 11479 Date 21.07.2020

Food Supplies & Consumer Welfare Department, Odisha re-invites Expression of Interest (EOI) for 'Hiring of NABL accredited laboratory for testing of manufactured Fortified Rice Kernels (FRK) & Blended Rice (FRK with Normal Regular Rice) for distribution under the Public Distribution System (PDS)'. The details of Terms of Reference (ToR) can be downloaded from <http://www.foododisha.in>

Sealed proposals are invited from interested NABL accredited laboratories for testing of manufactured Fortified Rice Kernels (FRK) & Blended Rice (FRK with Normal Regular Rice) for distribution under the Public Distribution System (PDS). The proposals shall be submitted through Speed Post/Registered Post only, addressed to "Joint Secretary to Government (NFSA), Food Supplies & Consumer Welfare Department, Lokaseva Bhawan, Odisha Secretariat, Sachivalaya Marg, Bhubaneswar-751001, Odisha". The Last date for receipt of proposals in all respect is on date 12/08/2020 at 1700 hours. The laboratory/ firm which have already applied earlier in response to the same Eoi, need not apply again. The proposals received in response to this Expression of Interest (EOI) will be opened & evaluated on date 13/08/2020 at 1600 Hours. The authority reserves the right to cancel any or the entire selection process without assigning any reason thereof.

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Joint Secretary to Government

GOVERNMENT OF ODISHA
FOOD SUPPLIES & CONSUMER WELFARE DEPARTMENT

Expression of Interest (EOI) for 'Hiring of NABL accredited laboratory for testing of manufactured Fortified Rice Kernels (FRK) & Blended Rice (FRK with Normal Regular Rice)' for distribution under the Public Distribution System (PDS)'

Terms of Reference: Laboratory

Central Sector Scheme for rice fortification through the Public Distribution System, Food Supplies & Consumer Welfare Department, Government of Odisha.

Through these terms of reference, FS & CW Department intends to hire NABL accredited laboratory for testing of manufactured **Fortified Rice Kernels (FRK) & Blended rice (FRK ganules with Regular Rice Grains)** for distribution under the Public Distribution System (PDS), as part of the Central Sector Scheme, a pilot project to be implemented in **Malkangiri district, Odisha.**

A. Objectives of the Expression of Interest (EOI):

Central Sector Scheme for rice fortification through the Public Distribution System:

The objective of the scheme is to implement pilot project in the Malkagiri District of Odisha in order to address micronutrient deficiency in beneficiaries under Public Distribution System. Based on the experience and learning gained from the pilot project, distribution of fortified rice will be scaled up. The key objectives of the scheme are listed as under:

- Distribution of fortified rice through Public Distribution System, to address anemia and micronutrient deficiencies.
- Coverage of all PDS beneficiaries under National Food Security Act (NFSA) and State Food Security Scheme (SFSS) in Malkanagiri district of Odisha State.
- An important objective would be to evaluate the provision, coverage and utilization of fortified rice by the target population as well as the efficacy/effectiveness of the consumption of fortified rice in reducing the targeted micronutrient deficiencies in different age and gender groups.

Project Location: Malkangiri, Odisha

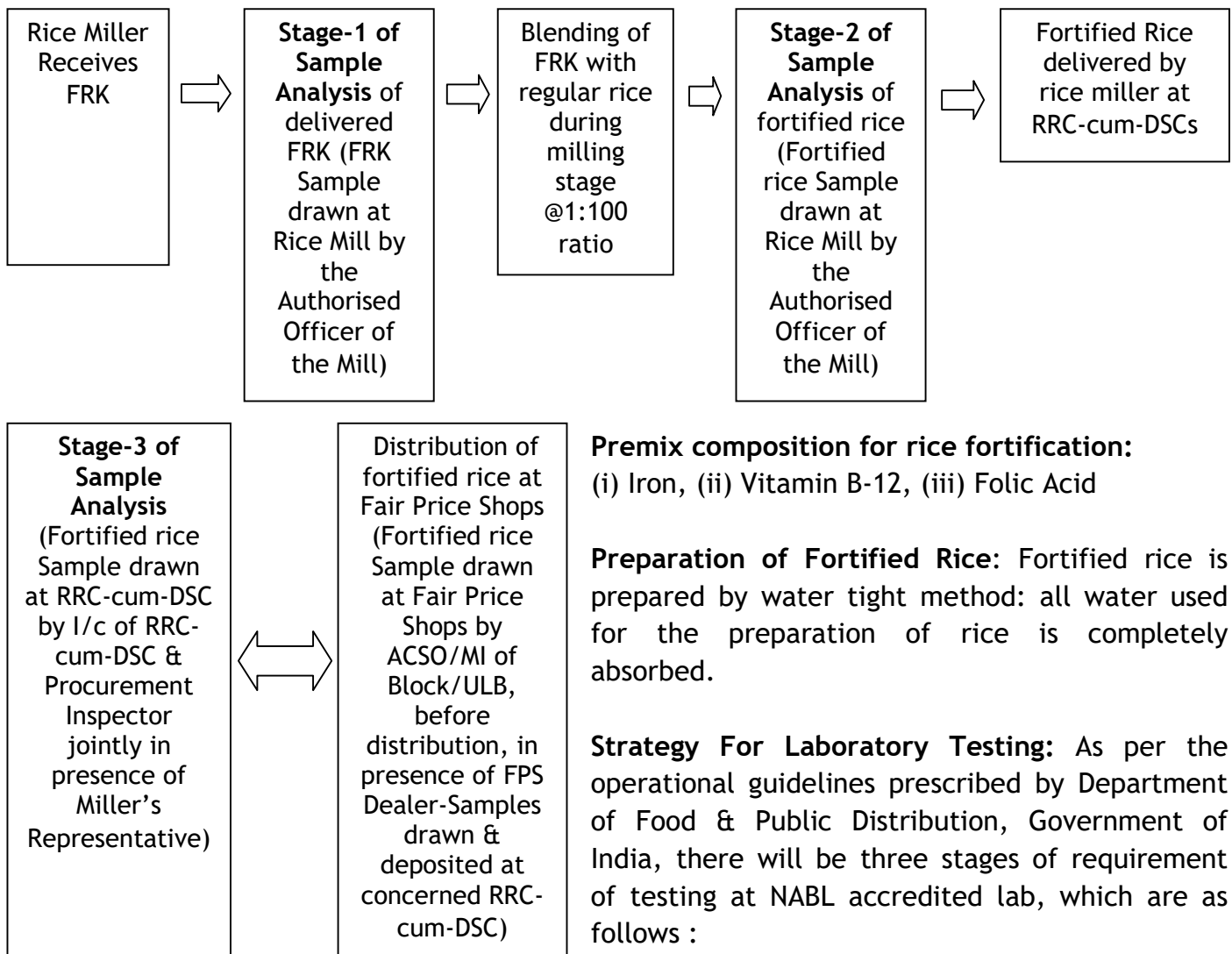
Fortification of rice is a two-step process which involves a) Procurement of Fortified Rice Kernels (FRK) by the FS & CW Department, Government of Odisha from Food Safety and Standards Authority of India (FSSAI) empanelled FRK manufacturing firms and b) Blending of procured FRK with regular rice grains in Rice Mills, at a ratio of 1:100 (FRK:Raw Rice) (blending ratio may vary from 0.5% to 2%). Fortified Rice Kernels (FRK) 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.

Rice fortification in Malkangiri district has been taken-up as a pilot scheme and this may be replicated in other districts subsequently.

Strategy For Rice Fortification

Fortified Rice Kernels (FRK) will be procured by FS & CW Department and delivered to the participating rice mills in Malkangiri district, identified and empanelled for rice fortification.



- a) The FS & CW Department will procure FRK directly from the state empanelled and FSSAI licensed/registered FRK manufacturers who will submit certificate of Analysis (COA) from independent third party FSSAI-notified NABL laboratories for FRK and only upon validation of the COA of FRK in terms of appropriate micronutrient levels and microbiological specifications, it will be permitted for despatch to rice mills.

- b) True representative sealed samples of FRK delivered at rice mill point by the FRK supplier shall be drawn by the Authorised Officer of the rice mill in presence of representative of FRK supplier & Miller representative, before blending with regular rice and handed over to the representative of NABL laboratory for analysis (content of micronutrient levels) and issue of Certificate of Analysis (CoA).
- c) Post blending-random sampling of fortified rice should be done and sealed at the source/rice mills, from each lot of fortified rice meant for delivery to RRC-cum-DSC for distribution under PDS (i.e. blending efficiency count 1:100), by the Authorised Officer of the rice mill responsible for quality control and handed over to the representative of NABL laboratory for analysis and issue of Certificate of Analysis (CoA).
- d) True representative sealed samples, drawn from the delivered lot of fortified rice by the miller at RRC-cum-DSC by the I/c of RRC-cum-DSC & Procurement Inspector jointly - **before issue to Fair Price Shops** and true representative samples drawn by the ACSO/Marketing Inspector of concerned Block/ULB from the fortified rice delivered at Fair Price Shop - **before issue to PDS beneficiaries** and deposited in concerned RRC-cum-DSC, handed over to the representative of NABL laboratory for analysis and issue of Certificate of Analysis (CoA).

B. SCOPE OF WORK AND REQUIREMENT FOR THE LABORATORY

- 1. The laboratory shall be accredited by National Accreditation Board for Testing and Calibration Laboratories (NABL) and should be identified by FSSAI. The said parameters for the given sample type shall be covered under the NABL scope.
- 2. Collection & analysis of sealed samples by the selected NABL accredited lab, drawn at different stages as mentioned above for its testing and issue of Certificate of Analysis (CoA).
- 3. The laboratory is expected to adhere to given below test methods and follow the same:
 - i. Iron- AOAC 984.27 / AOAC 2011.14 using ICP Emission. (total iron present in ferric form)
 - ii. Microbiological parameters - Using respective AOAC/AACC methods.
- 4. The personnel for sample collection shall be trained and experienced in conducting sampling procedures. The lab is expected to adhere to FSSAI guidelines on “General Guidelines on Sampling - 2012”.
- 5. Samples should be labeled appropriately and carry details like the date and location of sample collection, Method of preparation and/or storage, Batch number, Lot Number, any other observations.
- 6. Sample collection and delivery of samples to the location of analysis is the laboratory’s responsibility.

7. Sample collected for microbiological analysis should be put for analysis the same day or maximum by the following day.
8. Samples should be collected in triplicates, two for the lab and one for the facility/ Government of Odisha from where the samples are picked.
9. The laboratory is expected to share the test results for each sampling activity within 10 (ten) calendar days of sample receipt at the laboratory testing facility. Raw Fortified samples will be released for dispatch only after clearance from Laboratory.
10. Results should be scanned and shared through email with the FS&CW Department followed by hard copies of the reports which should be sent via registered post/speed post.
11. In case FS&CW Department is not satisfied with the results and retesting of sample is requested, it should be done without any additional cost.
12. Samples collected should be retained for a period of one month under the controlled conditions so that if need be it could be retested.
13. To lift and analyze samples of FRK & fortified rice for iron content, microbiological parameters and 1:100 blending ratio as explained above.

C. PARAMETERS TO BE TESTED :

Type	Source of sample	Parameters to be tested:	No. of samples to be tested	How to prepare the sample
1. Fortified Rice Kernels	Collected from the FRK consignments received at rice mill points	1. Iron 2. T.P.C. 3. Coliforms 4. E. Coli 5. Yeast 6. & mould	Two samples drawn from each consignments, per month from each participating Rice Mill	1. Composite sample of FRK of at least 10 batches or collected every hour for 8 hrs. 2. Composite sample drawn from the bag stored from daily production.
2. Post-blending	a. Collected from the blended consignments stored at rice mill points	Blending ratio @1 (FRK):100 (Rice Kernel)	Two samples drawn from each lot, per month from each participating Rice Mill	1. Two composite samples of blended rice drawn by the Authorised Officer, I/c of the Rice Mill, from each lot at Mill Point. 2. Post Blending-Random sampling of fortified rice drawn at the

Type	Source of sample	Parameters to be tested:	No. of samples to be tested	How to prepare the sample
				source/rice mills, at least one sample in a quarter, to be collected by the selected NABL for analysis (i.e. blending efficiency count 1 (FRK):100 (Rice Grain) at the independent third-party NABL laboratory.
	c. Collected from the blended consignments at RRC-cum-DSC and from Fair Price Shop points			<ol style="list-style-type: none"> 1. Two composite samples of blended rice, each drawn by the I/c of RRC-cum-DSC & Procurement Inspector at RRC-cum-DSC point and by ACSO/Marketing Inspector of the concerned Block/ULB. 2. The random sample drawn in each quarter to be analysed by the NABL laboratory.

D. Other Requirements of EOI:

1. FS & CW Department is seeking proposals for the above mentioned parameters, however the final decision to test/or not to test any particular parameter, will rest with the FS & CW Department.
2. **Pre-qualification of the Laboratory:** The pre-qualification criteria for empanelment as testing lab is given as under:
 - a) The Laboratory should hold a valid NABL License.
 - b) The laboratory should be listed in FSSAI approved laboratories.
 - c) Iron, Folic Acid and Vitamin B-12 and microbiological parameters should be covered under the NABL scope of the laboratory.
 - d) The laboratory should have trained personnel for sample collection and testing.

3. Documents to be furnished:

- a) The copy of Incorporation certificate/Laboratory Registration Certificate.
- b) The attested copy of the Income Tax returns of last three years ending with 31st March 2019 duly certified with a copy of a PAN card attested by authorized signatory.
- c) The copy of relevant past experience in the field of sampling & testing.
- d) The attested copy of Certificate of registration under GST Act as applicable shall be submitted.
- e) The attested copy of the valid NABL Accredited Certificate and other documents supporting pre-qualification criteria of the Lab mentioned in 2(d) above.
- 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 any such 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) The Laboratory Unit 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.
- h) 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.
- i) The attested copy of Bank account details of the Laboratory unit along with IFSC code, Branch details, address shall be furnished in the letter head of the firm.

4. **Pre-Bid clarification:** Interested bidders (laboratories) may post their pre-bid queries through mail mqhaque786@gmail.com/domains.pmutpds@gmail.com, which will be further clarified (if required) through a return mail.

5. **Mode of Submission:** The proposals shall address all the requirement of this expression of interest and must be submitted in the English language. The intending laboratory has to submit the 'COMMERCIAL' proposal in one sealed envelope, duly super-scribed in bold mark as **"Expression of Interest for hiring of NABL accredited laboratory for testing of manufactured Fortified Rice Kernels (FRK) & Blended Rice (FRK with Normal Regular Rice) for distribution under the Public Distribution System (PDS)"**. 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 **"Joint Secretary to Government (NFSA), Food Supplies & Consumer Welfare Department, Lokaseva Bhawan, Odisha Secretariat, Sachivalaya Marg, Bhubaneswar-751001, Odisha"**. No hand receipt of the proposal will be entertained. The last date for submission of the proposal is on **date 12/08/2020, at 1700**

hours. FS&CW Dept would not be responsible for any delays caused by the registered post/speed-post in this matter.

6. **Method of Selection of Proposal:** The proposals received in response to this Expression of Interest (EOI) will be opened & evaluated on **date 13/08/2020 at 1600 Hours**. 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 to accept or to reject all or any bid including lowest bid, without assigning reason thereof.
7. **Signing an agreement:** The Laboratory Unit will be required to sign an agreement for the established protocol as well as timelines for collection of sample, preparation, testing as well as submission of report which constitutes the entire end-to-end process. Any slippage will invoke penalties to be decided as deemed proper and be included as a part of the contract.
8. **Validity of the Contract:** The agreement will be valid for 01 (one) year and may be extended on mutual consent. FS&CW Department reserves the right to revoke the contract for non-performance by the Laboratory Unit. The performance of the Laboratory Unit may be reviewed as per the terms and conditions mentioned in this contract on quarterly basis.
9. **Submission of Certificate of Analysis (CoA):** CoA shall be scanned and shared through email with the FS&CW Department followed by hard copies of the reports (i.e. prepared in indelible ink in a official letter pad affixing with official seal & signature), which would be sent via registered post/speed post.
10. **Payment to the Laboratory:** The selected laboratory shall raise their bill on quarterly basis in favour of 'Managing Director, Odisha State Civil Supplies Corporation Ltd, Bhubaneswar' and may be submitted in triplicate to this Department, alongwith the CoAs and the GST payment challans for payment.
11. **Penalty Clause:** FS & CW Department would levy penalty on delay of delivering of reports. The penalty on delay of reports beyond 10 (ten) calendar days would be as follows:

Sl No	Delay (in days)	Penalty
1	1-2	5% of the total amount for that dispatch.
2	3-4	20% of the total amount for that dispatch.
3	5-11	50% of the total amount for that dispatch.
4	11 and above	100% of the total amount for that dispatch.

12. The interested laboratory unit shall always refer to the official website <http://www.foododisha.in>, for any changes/modifications/amendments in this Expression of Interest (EOI).

13. The authority reserves the right to cancel any or the entire selection process without assigning any reason thereof.

E. Annexure-I: APPLICATION FOR THE NABL ACCREDITED LABORATORY

Particulars	Details of Documents
1. Name of the Laboratory Unit	
2. Office Address of the Laboratory Unit <ul style="list-style-type: none"> ▪ Telephone No. ▪ Fax No ▪ Mobile No. ▪ e-mail ▪ website 	
<ul style="list-style-type: none"> ▪ Laboratory Unit Address ▪ Telephone ▪ Fax 	
3. Permanent Account Number (PAN No)	
4. GSTIN No. & date	
5. Registration Details If Partnership firm a) Name & Address of all Partners If Registered under Companies Act, a) Name of the Chairman and Managing Director with full address If Proprietorship Firm, a) Name & Address of Proprietor if Proprietor concern	
6. Year of Establishment of the firm/Company/Laboratory Unit	
7. NABL Accredited Certificate No.	
8. Name of the Authorized signatory (a copy of the authorization to be enclosed wherever necessary)	

I hereby agree to abide by terms & conditions stipulated for submission of expression of interest for hiring NABL accredited laboratory for testing of fortified rice produced for distribution under the Public Distribution System (PDS). The duly signed terms and conditions of EOI document is enclosed to this application along with relevant documents.

Date
Place

Signature of the Applicant

F. Annexure-II : Template for Submission of Financial Proposals

Sl No	Details of samples to be collected	Number of Samples collected/ visit	Number of Samples/ Frequency of Visit Per Year	Cost per Month excluding GST (In INR)
A	B	C	D	E
	FRK from Mill Point			
1	Iron	8	192 Samples/24 visits per year	In Word _____ In Figure _____
2	TPC			
3	Coliforms			
4	E. Coli			
5	Yeast & mould			
	Blended Rice			
7	From Mill Point			
8	From RRC-cum-DSC point for a) samples drawn from stock received at RRC-cum-DSC and b) for stock received at Fair Price Shops			

Note:

- Parameter for Financial proposals:** Cost for collection, laboratory testing & issue of CoA, in respect of 02 (two) samples each from a) Mill (FRK & Blended Rice separately), b) RRC-cum-DSC (Samples drawn for blended rice stocks received at RRC-cum-DSC and Fair Price Shops separately), per month excluding GST.
- The bidder shall quote a single rate for collection, laboratory testing & issue of CoA, per month at column 'E', which shall be the parameter (i.e. L1 rate) for selecting a laboratory.
- The laboratory unit is required to submit rate, which would be inclusive of all incidental and ancillary cost (GST as applicable shall be payable extra) including the following:
 - Collection of samples, b) Sample preparation, c) Sample analysis, d) Transportation cost of sample, e) Human resource deployment & their trainings (if any), f) Any other logistics like equipments or any sampling kit etc and g) Issue of Certificate of Analysis (CoA)
- The Laboratory unit is required to procure the consumables, equipment, tools and other logistics etc. as required during the sample preparation. The charge and maintenance of these equipment must be borne by the Laboratory.
- FS & CW Department shall not be responsible for providing any accommodation or food facilities to the Laboratory's personnel.
- Any safety training or safety equipment as required for personnel/labour must be borne by the Laboratory unit.

Date
Place

Signature of the Applicant