



ANDHRA PRADESH STATE CIVIL SUPPLIES CORPORATION LIMITED
(A State Government Undertaking)

Request for Proposal

**APPOINTMENT OF NABL ACCREDITED LABORATORIES FOR TESTING OF FOOD
COMMODITY SAMPLES FOR ONE YEAR 2025-2026**

HeadOffice:: 10-152/1,Ashok Nagar,
Bandar Road, Vijayawada – 520007

Website:www.apscscl.in

ANDHRA PRADESH STATE CIVIL SUPPLIES CORPORATION LIMITED
(A STATE GOVERNMENT UNDERTAKING)

Head Office:10-152/1, Sri Sai Towers,
Ashok Nagar, Bandar Road, Kanuru, Vijayawada – 520007

APPOINTMENT OF NABL ACCREDITED LABORATORIES FOR TESTING OF FOOD COMMODITY SAMPLES FOR ONE YEAR 2025-2026

Andhra Pradesh State Civil Supplies Corporation Ltd (APSCSCL) invites online tenders from all over India for appointment of NABL-accredited laboratories for testing of food commodity samples & assaying as per the quality parameters prescribed by APSCSCL. The appointment process will be conducted through the NCDEX e-Markets Limited (NeML) Portal, on behalf of APSCSCL. Detailed procedures for enrolment, registration on the NeML portal, and applicable terms and conditions will be governed by APSCSCL.

1. SCOPE OF WORK:-

The selected NABL-accredited laboratories shall be responsible for the timely and systematic collection of food commodity samples from the **APSCSCL Head Office** or any **other designated location** as specified by the Corporation (APSCSCL). The collection shall be carried out daily, or **as and when required**, depending on operational needs, volume of stock movement, or instructions issued by APSCSCL.

2. VOLUME OF WORK:

- It is hereby clarified that no specific volume of work is guaranteed during the tenure of the contract.
- All the enlisted agencies will be invited to submit bids for each commodity. The lowest (L1) rate will be determined separately for each commodity. For example, if Bidder B2 quotes the lowest rate for Commodity C1, then B2's rate becomes the L1 rate for C1. Similarly, if Bidder B1 quotes the lowest for Commodity C2, B1's rate will be treated as the L1 rate for C2. Then remaining bidders who are interested shall match with L1 or negotiated rates.
- The allocation of samples to food testing laboratories shall be carried out on a rotation basis. The number of samples assigned to each laboratory will be performance based, taking into account the quality, accuracy, and timeliness of their testing services.
- In the event that a laboratory's performance is found to be unsatisfactory, the allocation of samples to that laboratory may be withheld or discontinued without further notice.

3. ELIGIBILITY / PRE-QUALIFICATION CONDITIONS :

- i. **NABL accreditation:** The food testing laboratories must possess valid *NABL accreditation* with a defined scope for testing the following commodities:
 - Fortified Rice Kernels (FRK)
 - Fortified Palmolein Oil
 - Jaggery Powder
 - Ragi Flour

Note: *APSCSCL may request the selected laboratories to carry out testing for any other not listed above commodities as and when required. Only laboratories that have the relevant scope*

under NABL accreditation will be considered for such testing. The cost of testing will be decided by mutual agreement between APSCSCL and the empanelled agencies.

- ii. Additionally, the laboratories who are bidding for FRK should be in the **latest list of FSSAI-notified NABL-accredited for testing of FRK. (Annexure- III). In other words, the labs which are not in the Annexure III are ineligible for FRK bidding.**
- iii. **Sample Collection Protocol**
The designated sampler from the Food Lab shall collect the samples from the Head Office of APSCSCL within **3 hours** from the time of intimation at the cost of Food Lab.
- iv. **Turnaround Time for Analysis**
 - a. For **Fortified Rice Kernels (FRK)**, the turnaround time for testing shall be **8 calendar days** (including holidays) from the date of intimation of sample collection except in any unavoidable conditions.
 - b. For **Fortified Palmolein Oil, Jaggery Powder and Ragi Flour**, the turnaround time shall be **5 calendar days** (including holidays) from the date of intimation of sample collection except in any unavoidable conditions.
 - c. The service provider should retain the data at least minimum of One Year from the date of testing
 - d. The Service Provider shall allow APSCSCL Inspection team to carryout on-site audit at any time.
 - e. **Penalty of 10% of testing charges of particular sample shall be levied to labs who failed to fulfil turnaround time for particular sample.**

4. Documents to be Submitted :

The interested laboratory shall submit the following documents

- i. Valid NABL Accreditation Certificate: Copy of the valid NABL certificate, clearly indicating scope, validity period, and relevant commodity categories.
- ii. Experience Credentials: Brief profile of past projects or clients, especially in testing of below commodities (It's should be provided in Bidders Letter Head):
 - Fortified Rice Kernels (FRK)
 - Fortified Palmolein Oil
 - Jaggery Powder
 - Ragi Flour
- iii. Copy of partnership deed in case of partnership firm/MOA & AOA in case of company.
- iv. Statutory Documents: GST Registration Certificate, Copy of Permanent Account Number (PAN) card.
- v. Bank Account details confirmation in their Letterhead or Cancelled Cheque
- vi. NeML Application
- vii. Confirmation from Bidder on their Letter head by mentioning for which are

commodities is tenderer applying for.

5. INSTRUCTIONS FOR SUBMITTING TECHNICAL DOCUMENTS.

All interested and eligible agencies intending to participate in the TENDER process must adhere to the following instructions while submitting their applications

- The completed application along with all requisite documents and proof of payment of registration fees/charges shall be submitted **on or before 13 September 2025**.
- The Application and supporting documents duly self-attested must be emailed to apreg@nemi.in as per the prescribed format and timelines.
- **APSCSCL reserves the right** to extend the last date for submission of applications.

Any such extension or related notifications will be officially published on the following websites: www.apscscl.in / www.nemi.in.

Applicants are advised to monitor these websites regularly for updates.

6. Registration with NeML :

- Eligible applicants who meet all the criteria should registered as Service Providers in <http://market.nemi.in> (Registration fee of Rs.5900/inclusive of GST- is applicable) and NeML will issue a User ID and Password by NCDEX e-Markets Limited (NeML) for participation in e-Financial Bidding.
- Upon receipt of credentials, registered bidders must change their password immediately to maintain confidentiality and prevent misuse. APSCSCL and NeML will not be responsible for any unauthorized access due to password sharing.

7. Eligibility for Participation in e-Financial Bidding

Only technically qualified agencies will be eligible to participate in the e-Financial Bidding process hosted by NeML at <http://market.nemi.in>

8. Right to Cancel the Tender

- APSCSCL reserves the absolute right to cancel, withdraw, or modify the Tendering process at any stage without assigning any reason and without incurring any liability.
- The decision of APSCSCL in such matters shall be final and binding on all participants.

9. e-Auction Schedule

- The e-Financial Bidding (e-Auction) is tentatively scheduled for **17 September 2025 & Price Matching 18 September 2025**
- Any revisions or updates to the auction schedule, including date and time, will be published on: www.apscscl.in & www.nemi.in

10. Amendments and Corrigendum

- APSCSCL retains the right to amend, modify, or correct any clause or condition of the Tender before the scheduled date of e-Financial Bidding.

- Such changes, if any, will be duly notified on the official websites and shall be binding upon all bidders.

11. **SCHEDULING of e-Financial BID**

Bidding Process Overview

The bidding process shall be conducted in two stages:

Stage 1: Price Discovery Session

Stage 2: L1 Bid Matching Session

Stage 1: Price Discovery Session

All participating bidders shall submit their financial bids for each listed commodity. The quoted price must include all taxes, charges for sample collection from APSCSCL Head Office, physical report submission, GST, and any other applicable costs.

The session shall remain open for 30 minutes, during which each bidder may submit only one bid per commodity.

Bids must be exclusively submitted online via the designated platform: www.market.neml.in.

APSCSCL shall determine the lowest valid bid (L1) for each commodity, which shall be considered the official L1 price for the subsequent stage.

***Note :** The L1 rates for all commodities do not necessarily have to come from a single bidder. For instance, Bidder B1 may have quoted the lowest (L1) rate for Commodity 1, while Bidder B3 may have quoted the L1 rate for Commodity 2. Accordingly, the L1 rates for different commodities may be accepted from different bidders, based on the most competitive price quoted for each individual commodity.*

If necessary, APSCSCL reserves the right to negotiate with L1 bidders in cases where the quoted prices are found to be on the higher side.

Stage 2: L1 Bid Matching Session

- Following the Price Discovery Session, AP State Civil Supplies Corporation Ltd will publish the L1 prices for all commodities.
- A 30-minute L1 Bid Matching Session shall then be conducted.
- All bidders, including those who submitted the L1 bid in the first session, shall match the published L1 prices for commodities submitted in first session.

- Only bidders who participated in the Price Discovery Session shall be eligible for this session.
- a. The schedule for online financial bidding will be published on the NeML website. Please check the website regularly. No separate email or SMS will be sent.
- b. For help with the bidding schedule, you may also contact NeML Customer Service at (022) 48810500. It is the bidder's responsibility to check the schedule – APSCSCL or NeML will not be liable for any missed updates.
- c. All submitted bids must remain valid for 60 days from the date of the e-Tender.
- d. If there are any changes in tax rates or duties, the bidder will bear the cost. APSCSCL will not entertain requests for extra payment.
- e. The successful bidder will be notified by letter or email from APSCSCL.
- f. APSCSCL or NeML shall not be responsible for any failure of power, Network, Server, Bandwidth problems, Hosting Server, Internet Connectivity, ISP or otherwise or the slowness to access NeML Platform <https://market.neml.in>. In case of any technical problems at NeML Server or for any other reasons, the e-auctions are not conducted or concluded as scheduled, then such e auctions will be rescheduled accordingly at the discretion of APSCSCL.
- g. Any bid made using your login credentials will be considered final and binding. Do not share your username or password.
- h. The final contract will include: the tender terms, Financial bid, APSCSCL's acceptance email/letter, and any communications before signing.
- i. If there's evidence of cartel formation, APSCSCL can reject the tender.
- j. If any false information is found in your documents, your contract can be cancelled at any time.
- k. If APSCSCL faces any legal or tax issues due to your actions, they have the right to **recover costs** from Bidder.

12. EARNEST MONEY DEPOSIT

- 12.1 The bidders need to deposit Earnest Money Deposit as per Annexure IV along with NeML Transaction charges in the Dedicated Virtual Account provided by NeML to participate in the e-auctions by way of RTGS or electronic fund transfer. EMD shall be transferred along with technical documents on or before the due date. The amount remitted towards Earnest Money Deposit is liable to be forfeited in case the Bidders withdraw from his/their offer after submission of the bid or after the acceptance of the offer by APSCSCL or fail to sign the Contract or fail to remit the Security Deposit.
- 12.2 The Earnest Money Deposit remitted will not carry any interest.
- 12.3 2.5 % of EMD amount will be transferred to APSCSCL account after deduction of transaction charges

12.4 The 2.5% of EMD amount of the successful bidders transferred to APSCSCL account will be adjusted towards Security Deposit.

13 SECURITY DEPOSIT

13.1 The successful bidder upon receipt of communication regarding acceptance of bid shall arrange Security Deposit for an amount as per Annexure 4 within five (5) working days from the date of receipt of the communication of acceptance of the e-bidding from the APSCSCL to the below Account.

Bank Name	Bank Account Name	Account Number	IFSC Code	Branch Name
SBI	VC & MD APSCSCL	37270582042	SBIN0016857	MG ROAD, VIJAYAWADA

13.2 No cheque will be accepted. Any other amount pending with APSCSCL will not be adjusted towards the Security Deposit even if so requested. If the Security Deposit is not paid within the time specified, the Earnest Money Deposit remitted by the bidder will be forfeited. The Security Deposit will not carry any interest.

13.3 The Security Deposit will be refunded to the Service Provider after completion of Contact.

14. ORDER FOR SERVICE

- Only NABL accredited laboratories that qualify in the financial bidding will get work orders.
- APSCSCL does not promise any minimum quantity of samples to be tested.

15. QUALITY PARAMETERS.

- For Quality Parameter please refer the Annexure 1

16 TERMS OF PAYMENT

- The Service Provider shall submit sample testing charges bills for all the commodities that are tested in a month in the succeeding month.
- The Service Provider should submit the following documents along with invoice
 - Commercial Invoice/Tax invoice duly conforming to the GST act.
 - Certificate of Analysis of all the samples done in that month.
 - Any other relevant documents issued by APSCSCL

17. CANCELLATION OF WORK ORDER: -

- The successful bidder, if breaches any condition or clause of the terms and conditions of this tender, the Corporation is entitled to cancel the order and also entitled to demand and recover the loss incurred to it due to such cancellation/termination of the Work order.
- In case the Service made under this contract or the Service Provider is suspended due to violation of terms and conditions of this tender under any contract with the Corporation. If the Government scheme is closed or partly revised or modified, or if any change in policy of the State/Central Government is effected or any amendment made to the Act or Rules under which the scheme is being implemented.
- The agency shall notify to the Corporation the death /resignation of any of their partners/directors immediately on the occurrence of such an event. On receipt of such notice, the Corporation shall have the right to terminate/ modify the Work order. In such an event the Service shall continue unhindered in any manner.
- The Corporation may, without prejudice to any other remedy for breach of terms & condition of tender, by written notice of default sent to the agency reject the offer in whole or in part. Breach of contract shall include, but shall not be limited to the followings:
 - The Successful bidder unable to complete the offered quantity of Quality Checking within prescribed time limit mentioned by APSCSCL (or)
 - If the Successful bidder fails to perform any other obligation(s) under the Tender (or)
 - The Corporation or the bidder goes bankrupt or goes into liquidation other than for a reconstruction or amalgamation.
 - If the Work order is terminated the bidder shall stop conducting Analysis.
 - In the event of termination of Work order by the Corporation on account of breach of any terms and conditions of the contract by the Tenderer, the entire Security Deposit given by the Tenderer will stand forfeited.

18. SET OFF:

In the event of the Corporation having any claim or claims ascertained or otherwise against the agency under any of the conditions of this contract or arising from or out of this contract or under the conditions of APSCSCL will pay the net amount after Set off & New dues to agency, if any

19. FORCE MAJEURE:

The terms and conditions hereof shall be subject to force majeure. Neither the Corporation nor the Tenderer shall be considered in default in the performance of their respective obligations herein above if such performance is prevented or delayed because of act of God, War, Flood, Hostilities, Revolution, Civil Commotion, Official Strike, Epidemic, Accident or

Fire, or because of Law-and-Order Proclamation, regulation or ordinance of any Govt. of any Subdivision thereof or local authority. The Tenderer shall be entitled to the benefit of this clause only if he informs in writing of the circumstances amounting to force majeure to the Corporation for Service within 48 hours of the happening thereof by telegram and fax immediately followed by a confirmatory letter sent by Regd. Post Acknowledgment due. In the event of the Tenderer pleading any ground as constituting force majeure, the opinion of the management of the Corporation on that behalf alone shall prevail and, if in the opinion of the management, the grounds pleaded by the Service Provider do not amount to force majeure, then Tenderer shall not be entitled to plead the same and or claim any relief under this clause.

20.DISPUTE RESOLUTION:

ARBITRATION:

- i. In case of any disputes relating to tender including the interpretation of any of the Clause/Clauses of the tender, the matter shall be referred to Vice Chairman & Managing Director, APSCSCL LTD.,
- ii. In case, if disputes are not resolved according to the Clause no.20 (i), then the matter may be referred to Commissioner of Civil Supplies, Government of Andhra Pradesh who will be the appellate authority.
- iii. In case of any disputes still not resolved and which are relating to under this Tender, including the interpretation of any of the Clause/Clauses of this Tender, the matter shall be referred to a sole arbitrator not less than the rank of Secretary to Government of Andhra Pradesh, appointed by the Government. The remuneration for the arbitrator shall be fixed by the Government. The arbitration shall be held in where Head Office of APSCSCL is situated and the decision of the arbitrator shall be final and binding on both parties to the arbitration.
- iv. The Service provider shall prefer a demand, if any, in writing to the V.C. & Managing Director for arbitration in respect of any claim under this agreement within three years as per Law of limitation claims can be upto 3 years from the date of termination or completion of the agreement, failing which the demand shall be deemed to have been waived absolutely time barred and the Corporation shall be discharged and released of all liabilities under this agreement in respect of such demand.
- v. On receipt of a demand from the Service Provider within the prescribed time, disputes and differences arising out of or in any way touching or concerning this agreement, except such matters, the decision of which is expressly provided for in the Work order shall be referred to the Arbitration as per Arbitration and Conciliation Act, 1996.
- vi. The Arbitrator(s) shall give separate award in respect of each dispute or difference referred to him.

21. MISCELLANEOUS:**Notice:**

Any notice, request, demand, consent, approval or other communication required or permitted under this Tender shall be in writing be delivered either is person, Register / Speed post or email as the case may be

Successors and Assigns:

This Work order shall be binding upon and inure to the benefit of the Parties and their respective successors and assigns

Waiver:

No waiver of any term, provision or condition of this Tender Document shall be effective unless in writing, signed by the Party against which such waiver is sought to be enforced, and no such waiver shall be deemed to be or construed as a further or continuing waiver of any such term, provision or condition or as a waiver of any other term, provision or condition of the Work order, unless specifically so stated in such written waiver.

Compliance with Directions:

The Tenderer shall comply with the directions issued from time-to-time by the VC & Managing Director of the Corporation while discharging the duties under this Tender Document.

LIABILITY FOR PERSONNEL: -

All persons employed by the successful tenderer shall be engaged by him as own employees in all respects, and all rights and liabilities under the Labour Code and Social Security code as notified by Govt of India including Indian Factories Act, or the Workmen's Compensation Act, or Employees Provident Fund Act, and other applicable enactments, as amended in respect of all such personnel shall exclusively be that of the successful tenderer. The successful tenderer shall be bound to indemnify the Corporation against all the claims whatsoever in respect of its personnel under the Workmen's Compensation Act, 1923, or any statutory modification thereof or otherwise for or in respect of any damage or compensation payable in consequence of any accident or injury sustained by any workmen or other person whether in employment of the successful tenderer or not.

successful tenderer shall also comply with all Rules and Regulations/Enactments made by the state Govt./Central Govt. from time to time pertaining to the Contract including all Labour Laws etc.,

CORRUPT PRACTICES:

Any bribe, commission, or advantage offered or promised by or on behalf of the tenderer to any officer or official of the Corporation will (in addition to criminal liability which the tenderer may incur) terminate this contract. Canvassing on the part of, or on behalf of, the tenderer will also make his contract liable for termination.

SUBLETTING:

The successful tenderer shall not sublet, transfer, or assign the Contract, or any part thereof.

OBSERVANCE OF LAW:

The tenderer shall be bound by all laws, orders, etc., in force or issued by the Central or State Government from time-to-time and shall be solely liable for any penal consequences that may incur due to violation by the tenderer of any law, orders, etc., in force.

INTERPRETATION:

In case of any ambiguity or dispute regarding interpretation of any clause(s) of this tender document, VC & MD, APSCSCLs interpretation will be treated as final and binding.

FORGERY OF SIGNATURES:

If it is found that the signature is forged or signed by some other persons as of the Tenderer/ representative, the Work order is liable for cancellation apart from recovery of damages from the security deposit.

22. EXTENSION OF CONTRACT PERIOD:

The contract can be extended by the VC & MD, APSCSCL at his/her sole discretion on the same rates, terms and conditions for a further period as determined by her/ him keeping in view of Samples to be tested. The e-tender of the APSCSCL in extending the contract shall be final and binding on the tenderer and shall not be called in question.

23. INDEMNITY:

The Tenderer shall defend, indemnify and hold NeML and APSCSCL harmless during and after the tender against any and all liabilities, damages, claims, fines, penalties, actions, procedures and expenses of any nature arising out of, resulting from any violation of any laws by the Tenderer or its punishment or any way connected with the acts, negligence, breach, failure to perform obligations relating to the tender.

24. NCDEX e-MARKETS LTD DISCLAIMER:

- a. NCDEX e Markets Limited (NeML) is involved only in price discovery of the transaction for the goods or services and not involved in post-auction activities such as ensuring timely deposit of transaction value by winning bidder(s), generation of DO (delivery order), sending winner intimation mail to bidders etc.
- b. NeML shall undertake Pre-auction activities such as registration of participants, collection of KYC documents on the basis of eligibility criteria of participants, as laid down by auction initiator, etc.
- c. NeML shall collect Earnest Money Deposit (EMD) to protect the price discovery of the transaction so that only credential bidders will participate and the EMD includes Transaction charges plus GST of NeML. The EMD shall be transferred to auction initiator, either buyer/service receiver or seller/service provider, after deduction of Transaction charges (TC) plus GST on price discovery value and is not part of the total consideration as the buyer/service receiver is directly making payment to the seller/service provider outside the portal/platform of NeML.
- d. In lieu of services provided fore-auction, NeML will charge service charges @0.25 % of the estimated tender value from bidders. Hence, the TC shall be fixed on the price discovery value

of commodities/ Value Service. Subsequently TC shall not undergo change based on the purchase/ sale undertaken by parties outside the NeML platform.

- e. The price discovered through NeMLE-auction platform is not necessarily the price at which the transaction takes place, and it is the discretion of the buyer/service receiver and seller/service provider to accept the price or directly negotiate with counter party. It is understood between the parties that the actual transaction of purchase/sale or service takes place between the parties outside the electronic portal of NeML and price discovery only acts as the starting point for negotiation and conclusion of transaction
- g. Except for price discovery, NeML is not responsible for facilitating the sale/purchase of commodities or service for which the e-auction is conducted.
- h. Payments for the transaction is carried out between the buyer/service receiver and seller/service provider outside the NeML electronic portal and EMD taken by NeML is to protect the price discovery of the transaction so that only genuine bidders shall participate. NeML shall not have any information on the quantum and schedule of payment as the same is done directly between buyer/service receiver and seller/service provider without any recourse to NeML.
- i. The buyer/service receiver and seller/service provider shall be responsible for complying with the relevant provisions of the Income tax Act, GST and all other laws, regulations, act etc. as applicable to the Buyer and Seller. Further there shall be no role of NeML in the qualitative and quantitative aspects of the commodities auctioned. Should there be any dispute regarding the qualitative and quantitative aspects of the commodities, NeML shall not be responsible for same and NeML shall not be made party in such dispute/litigation etc.
- j. Further NeML is acting only as a price discovery service provider for this e-auction services and shall not be a party to the contract between the buyer/service receiver and seller/service provider and both parties acknowledge that NeML shall not be held responsible for any loss that he/she/they may suffer consequently to this e-auction.
- k. NeML will be providing e-Auction platform for the purpose of price discovery. It shall not take any responsibility whatsoever in connection with any disputes that may arise during the tenure of the tender/contract. Both seller and buyer shall completely absolve NeML of any consequences resulting from this tender and further any disputes between buyer/service receiver and seller/service provider shall have to be resolved mutually by the parties without any recourse to NeML.

25. JURISDICTION

All Civil suits arising under this agreement should be subject to the jurisdiction of the Courts where APSCSCL Head Office is situated.

We have carefully and fully gone through the terms and conditions of this tender. We agree to the terms and conditions as detailed in section 1 to 25 of the above Tender document.

Place:

Signature of Applicant: _____

Date:

Name: _____

Seal

**Sd/-
VC & MANAGING DIRECTOR**

ANNEXURE -I

QUALITY PARAMETER'S TO BE TESTED FOR THE COMMODITIES GIVEN BELOW

2) Specifications of Palmolein Oil:

S.No	Parameter	Range
1	Argemone Oil	Negative
2	Vitamin A	6 µg RE – 9.90 µg RE per gm of Oil (Source of Nutrient- Retinyl acetate or Retinyl palmitate)
3	Vitamin D	0.11 µg– 0.16 µg per gm of oil (Source of Nutrient - *Cholecalciferol or *Ergocalciferol) (*Only from Plant Source)

2. Specifications of Jaggery Powder:

S.No	Parameter	Range
1	Moisture	Max 7.0%
2	Sucrose	Min. 70.0 %
3	Total Sugars	Min. 90.0 %
4	Reducing Sugars	Max. 20%
5	Sulphated Ash	Max 4.0 %
6	Acid Insoluble Ash	Max. 0.5 %
7	Extraneous Matter	Max 2.0 %

3. Specifications of Ragi Flour :

S.No	Parameter	Range
1	Moisture	Not more than 10%
2	Crude Fiber(d/b)	Not more than 4.5%
3	Crude Protein Percent (d/b)	Not less than 7 %
4	Acid Insoluble ash	Not more than 0.15 %
5	Uric Acid (mg/Kg)	Max 100
6	Particle size , Percent	Shall pass Through a 1mm Sieve (18 mesh)

4) Fortified Rice Kernels (FRK) Specification:

Fortified Rice Kernels (FRK) are Rice shaped kernels containing vitamins and minerals produced through extrusion. FRK should resemble the regular rice in its colour, sheen, consistency and texture.

Fortified rice kernels shall conform to the following physical and chemical requirements-

Parameter	Specification	Reference
Shape	Manufactured grain should resemble the normal milled Rice (Raw/Boiled)rice as closely as possible	Rice supplied by APSCSCL
Average Grain Length	Raw FRK-5.5mm to 6.5 mm Boiled FRK-5.6mm to 5.9 mm	Rice supplied by APSCSCL
Average Grain Breadth	Raw FRK-1.8 mm to 2.2 mm Boiled FRK – 2.4 to 2.5	Rice supplied by APSCSCL
Moisture	12% w/w (Max)	IS4333 (Part 2)
Extraneous Matter	Free from organic and inorganic extraneous matter	Visual Observation
Kernel count /g	Raw FRK - 50-75 for Boiled FRK- 45 to 75	Weighing
Color	Raw FRK-White to Off-white Boiled FRK-Boiled Rice colour	Visual Observation

Iron: (Ferric Pyrophosphate Premix) Particle Size : 3 microns (Max)	3525 to 4250 mg/Kg of FRK	## Please refer the method of analysis as mentioned below
(Or) b) Sodium Iron (III) Ethylene diamine tetra Acetate Trihydrate (Sodium ferredetate – Na Fe EDTA)	1765 to 2125 mg/Kg of FRK	
Folic Acid	10000 to 12500 µg/ Kg of FRK	## Please refer the method of analysis as mentioned below
Vitamin B-12 (Cynocobalamine, Hydroxycobalamine)	100 to 125 µg/ Kg of FRK	## Please refer the method of analysis as mentioned below
Aerobic Plate Count	10,000 cfu per gram (Max)	IS 5402 (Part 1)
Yeasts and Moulds	100 cfu per gram (Max)	IS 5403
URIC ACID	Not more than 100 mg/kg of FRK	
Citric Acid	Should not present	

Methods to be used for Testing Micronutrients in FRK

Product	FSSAI test methods		
	Iron	VitaminB9	VitaminB12
Fortified Rice	FSSAI.FR.16.001.2022	FSSAI.FR.16.002.2022	FSSAI.FR.16.003.2022
Fortified Rice Kernel	FSSAI.FRK.16.004.2023 Or FSSAI.FRK.16.007.2023	FSSAI.FRK.16.005.2023	FSSAI.FRK.16.006.2023
Vitamin-Mineral Premix for Fortified Rice Kernel	FSSAI.VMP-FRK.16.008.2023	FSSAI.VMP-FRK.16.009.2023	FSSAI.VMP-FRK.16.010.2023

ANNEXURE - II

NUMBER OF TENTATIVE SAMPLES TO BE ANALYSED FOR ONE YEAR		
S.NO	NAME OF THE COMMODITIES	TENTATIVE NO OF SAMPLES TO BE ANALYSED
1	PALMOLEIN OIL	312
2	RAGI FLOUR	312
3	JAGGERY POWDER	312
4	FRK	350

ANNEXURE - III

List of laboratories for testing fortificants (Iron, Vitamin B9 and Vitamin B12) in Fortified Rice Kernel (FRK)

S.No	Name of the Laboratory	TC number
1	Accurate Universal Laboratories Private Limited, Ahmedabad, Gujarat	TC-5021
2	AES Laboratories Pvt. Ltd., Noida, Uttar Pradesh	TC - 6308
3	Ashwamedh Engineers & Consultants, Nashik, Maharashtra	TC - 5509
4	Avon Food Lab Pvt. Ltd., New Delhi	TC -11151
5	Bangalore Analytical Research Centre Pvt. Ltd., Bengaluru, Karnataka	TC - 7125
6	Bee Pharmo Labs Pvt. Ltd, Thane, Maharashtra	TC - 5497
7	Bureau Veritus (India) Pvt. Ltd. Chennai, Tamil Nadu	TC - 8057
8	Centre for Food Research and Analysis (CFRA), NIFTEM, Sonipat, Haryana	TC - 4009
9	Chennai Mettlex lab private Limited, Guindy, Chennai	TC - 5589
10	Choksi Laboratories Limited, Indore, Madhya Pradesh	TC - 6384
11	Delhi Analytical Research Laboratory, Delhi	TC - 5163
12	Delhi Test house, Azadpur, New Delhi	TC - 14461
13	Doctors' Analytical Laboratories Pvt. Ltd, Thane, Maharashtra	TC - 13569
14	Edward Food Research & Analysis Centre Ltd., Kolkata, West Bengal	TC - 5817
15	Envirocare Labs Pvt. Ltd, Thane, Maharashtra	TC - 8284
16	Eurofins Analytical Services India Private Limited, Bengaluru, Karnataka	TC - 13580
17	FICCI Research and Analysis Centre, New Delhi	TC - 5275
18	Geo-Chem Laboratories Private Limited, Alappuzha, Kerala	TC - 11621
19	HTH Laboratories Private Limited, Panipat, Haryana	TC - 7811
20	Interfield Laboratories, Kochi , Kerala	TC - 6338

21	Interstellar Testing Centre Pvt. Ltd., Panchkula, Haryana	TC - 14896
22	Interstellar Testing Centre Private Limited Perungudi, Chennai, Tamil Nadu	TC - 6952
23	Intertek India Pvt. Ltd (Food Services), Gurgaon, Haryana	TC - 6434
24	Mats India Private Limited (Laboratory Services Division), Chennai, Tamil Nadu	TC - 5358
25	Monarch Biotech Pvt. Ltd, Chennai, Tamil Nadu	TC - 6206
26	National Food Laboratory, Kolkata, West Bengal	TC - 6584
27	Nawal Analytical Laboratories India Pvt. Ltd. , Hosur, Tamil Nadu	TC - 12996
28	NDDDB CALF LTD, Anand, Gujarat	TC - 11516
29	Shree Krishna Analytical Services Pvt. Ltd., New Delhi	TC - 8932
30	SMS Labs Services Private Limited, Chennai, Tamil Nadu	TC - 6118
31	Vardan Envirolab LLP, Gurugram, Haryana	TC - 6299
32	Vimta Labs Ltd, Hyderabad, Telangana	TC - 5418

Annexure IV

S.NO	Name of the Commodity	2.5% EMD on Average estimated Contract Value (In Rs.)	NeML transaction charges (0.25 % + GST) on Average estimated Contract Value	7.5 % Security Deposit on Average estimated Contract Value (In Rs.)
1	Palmolein Oil	7823	923	23470
2	Ragi flour	5062	597	15187
3	Jaggery Powder	4487	529	13461
4	Fortified Rice Kernel	10325	1218	30975
	Total	27698	3268	83093

Sd/-

VC & Managing Director

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Manager QC