

BUREAU OF INDIAN STANDARDS**APPROVED MINUTES**

Name of the Committee	No. of Meeting	Date	Time	Venue
Agriculture and Food Processing Equipment Sectional Committee, FAD 20	Seventeenth	07 Jan 2022 (Friday)	1100 h	Online (Through Webex)

CHAIRMAN:

Dr. K Alagusundaram
Ex-DDG (Engg.),
ICAR, New Delhi

MEMBER SECRETARY:

Pawan Kumar
Scientist-C
Food & Agriculture Department,
Bureau of Indian Standards, New
Delhi

ATTENDANCE SHEET – Please see [Annex A \(Page 6\)](#)

ITEM 0 GENERAL**0.1 Welcome**

Smt. Suneeti Toteja, Scientist - E & Head, Food and Agriculture Department welcomed the Chairman and members of FAD 20 to the 18th meeting of the committee. Smt. Toteja appreciated the work done by FAD 20/Panel 14 under the convenorship of Prof. H. N. Mishra in a very short period to develop draft standards on the subject. She also expressed her gratitude for the Chairman, FAD 20 and the members of the committee for consenting to hold the meeting at a short notice.

0.2 Opening Remarks by the Chairman

Dr. K Alagusundaram, Ex-DDG (Engineering), Indian Council of Agricultural Research, New Delhi and Chairman, Agriculture and Food Processing Equipments Sectional Committee, FAD 20 in his opening remarks extended a warm welcome to the members of the Committee to its 18th meeting and urged the members for fruitful and amicable discussions on the various issues raised in the agenda. He appreciated the work done by FAD 20/Panel 14 under the convenorship of Prof. H. N. Mishra in a very short period to develop draft standards on the subject.

ITEM 1 CONFIRMATION OF THE MINUTES OF THE SEVENTEENTH MEETING

1.1 The Committee confirmed the Minutes of the 17th meeting of Agriculture and Food Processing Sectional Committee, FAD 20 held on 29th Nov 2021, as circulated vide email dated 07th Dec 2021.

ITEM 2 ACTION ARISING FROM THE MINUTES OF THE SEVENTEENTH MEETING

S. No.	Ref. Clause of Minutes of 17 th meeting of FAD 20 & Decision of the Committee	Action taken/Status	Decision of the Committee
1.	<p>Item 3, S. No. 19 Revision of IS 8824 (Part 1): 1978 Specification for Electrical Moisture Meters Part 1 for Foodgrains In the 17th meeting, The Committee after due deliberation on the draft prepared by the panel decided as follows:</p> <p>i) to delete 'or as declared by the manufacturer depending on the commodity type. Readings have to be taken within shortest period of time on the same moisture meter and same type of commodity. Standard deviation of the readings is called as repeatability' from clause 7 of the draft document.</p> <p>ii) After incorporating the above decision, the draft will be wide circulated for 1 month.</p> <p>iii) Communication to be sent to the following Institutes for seeking input on repeatability of test results</p> <p>a) Director, NIFTEM, b) Director, IIFPT c) Director, CFTRI d) Director, CIPHET e) Grain Storage Research Institute, Hapur</p>	<p>The suggestions of the committee were incorporated in the draft revision of IS 8824 (Part 2) and the same was sent to the directors of Institutes as decided in the previous meeting. The revised draft was placed at Annex-I of Agenda.</p> <p>The input has been received from Director, CIPHET, Ludhiana which was placed at Annex-II of Agenda.</p>	<p>The Committee deliberated in detail on the comments received from Director, CIPHET. The decision of the Committee on the comments is placed at Annex-B.</p> <p>The committee decided to send the updated draft after incorporating the decisions at Annex-B into wide circulation for 30 days. The updated draft is placed at Annex-C.</p>

2.	<p>ITEM 5 Development of Indian Standards on Equipment for Fortified Rice Kernels (FRK) and Fortified Rice</p> <p>In the 17th meeting,</p> <p>The Committee examined the following draft Indian Standards as circulated in Annex V and Annex VI, of the agenda along with the comments received from M/s JVS Foods as tabled in the meeting (Annex B).</p> <ul style="list-style-type: none"> i) Doc: FAD 20 (18051) Working Draft Standard - Equipment for Manufacture of Fortified Rice Kernel – Specification ii) Doc: FAD 20 (18052) Working Draft Standard - Equipment for Manufacture of Fortified Rice – Specification <p>Decision of the committee on the comments received is given in Annex B.</p> <p>The committee after due deliberation approved the draft standards for issuing into wide circulation for one month for comments.</p> <p>Further, the committee requested FAD 20/Panel-14 to examine the comments that would be received on these draft standards during wide circulation period and give its recommendation to the committee so that</p>	<p>The draft documents on equipment used to manufacture FRK and Fortified Rice as finalized by the committee were wide circulated as following on 30 Nov 2021</p> <ul style="list-style-type: none"> i) Doc: FAD 20 (18051) Draft Indian Standard - Equipment for Manufacture of Fortified Rice Kernel – Specification ii) Doc: FAD 20 (18052) Draft Indian Standard - Equipment for Manufacture of Fortified Rice – Specification <p>The comments on received on these documents were discussed in the 4th panel meeting of FAD 20/P-14 held on 4 Jan 2022. The copy of comments along with the decision of the panel was placed at Annex-III and Annex-IV of Agenda.</p> <p>The modified draft as per the decision of the FAD 20/P-14 was placed at Annex-V and Annex-VI.</p>	<p>The committee deliberated in detail on the comments received by various stakeholders, which was placed at Annex-III and Annex-IV of the agenda along with decision of FAD 20/P-14 and concurred with the recommendations of the panel on the comments received.</p> <p>The Committee also discussed on the suggestions received from Prof H N Mishra on materials used to manufacture barrel and screw of extruder and decided to add the grade EN41B in the material table.</p> <p>After detailed deliberations, the committee finalized the draft standards, FAD 20 (18051) and FAD 20 (18052) for publication as placed at Annex-D and Annex-E respectively.</p>

	<p>these can be considered in the next meeting of FAD 20.</p> <p>BIS Secretariat requested the committee to consider including suitable test method to verify uniform blending of FRK in fortified rice. The committee agreed to the suggestion and requested Prof. H. N. Mishra to provide the test method which may be suitably incorporated in the draft standards on fortified rice after wide circulation.</p>		
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ITEM 3 ANY OTHER BUSINESS

There being no other business, the meeting ended with the hearty vote of thanks to the Chairperson and the members of the committee.

ITEM 4 TIME AND PLACE FOR THE NEXT MEETING

The next meeting has been scheduled in April 2022.

Annex A
**ATTENDANCE FOR THE 18th MEETING OF AGRICULTURE AND FOOD
PROCESSING SECTIONAL COMMITTEE FAD 20 HELD ON 07th JANUARY 2022**

Sl. No.	Organization	Members
1.	In personal capacity	Dr. K. Alagusundaram (Chairperson)
2.	Agriculture Machinery Manufacturers Association, Pune	Dr. Surendra Singh
3.	Indian Council of Agricultural Research, New Delhi	Dr. Kanchan K. Singh
4.	ICAR-Central Institute of Agricultural Engineering, Bhopal	Dr. Ravindra Naik
5.	ICAR – Indian Institute of Horticultural Research, Bengaluru	Dr. A. Carolina Rathina Kumari
6.	Indian Council of Agricultural Research, New Delhi	Dr. Kanchan K Singh
7.	Indian Institute of Food Processing Technology, Thanjavur	Dr. S. Bhuvana
8.	Indosaw Industrial Products Private Limited, Ambala Cantt.	Dr. Vinod H. Kalbande
9.	Expert in Personal Capacity	Shri S. D. Deshpande
10.	Expert in Personal Capacity	Dr. R. Visvanathan
11.	Food & Agriculture Department, BIS, New Delhi	Mrs. Suneeti Toteja (Head, Scientist – E)
12.	Food & Agriculture Department, BIS, New Delhi	Pawan Kumar, Scientist-C
Invitees/Also attended (with the permission of Chair):		
13.	Indian Institute of Technology Kharagpur, Kharagpur	Prof H. N. Mishra Dr Chandrakant Dalbhat Shri Siddharth Vishwakarma
14.	Indosaw Industrial Products Private Limited, Ambala Cantt.	Shri Amit Dhiman

