**B UREAU OF INDIAN STANDARDS**

**AGENDA**

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| --- | --- | --- | --- | --- |
| **Name of the Committee** | **No. of Meeting** | **Date** | **Time** | **Venue** |
| Agriculture and Food Processing Sectional Committee, FAD 20 | 20th | **27 January 2022**  **(Friday)** | **11:00 AM** | Lal C Verman Hall, Manak Bhawan, New Delhi |

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| **CHAIRPERSON:**  **Dr. S. N. Jha**  **(Chairman, FAD 20)**  DDG (Egg.),  ICAR, New Delhi | **MEMBER SECRETARY:**  **Pradeep Sharma**  **(Member Secretary, FAD 20)**  Scientist-B / Assistant Director  Food & Agriculture Department,  Bureau of Indian Standards, New Delhi |

**ITEM 0 GENERAL**

* 1. **Welcome**
  2. **Opening Remarks by the Chairman**

**ITEM 1 CONFIRMATION OF THE MINUTES OF THE NINETEENTH MEETING**

**1.1** The minutes of the 19th meeting of Agriculture and Food Processing Equipment Sectional Committee, FAD 20 held on 16 June 2022 were circulated vide our email dated 21 June 2022. No comments have been received on the minutes.

***The Committee may confirm the minutes as circulated.***

**ITEM 2 SCOPE, ACTIVITIES AND COMPOSITION OF THE SECTIONAL COMMITTEE**

**2.1 SCOPE & PROGRAM OF WORK OF THE COMMITTEE**

Scope ofAgriculture and Food Processing Equipment Sectional Committee, FAD 20 is embedded below as **Annex I**.

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***The Committee may note.***

**2.1.1** Food and Agriculture Division Council (FADC) in its 26th meeting held on 30 March 2022 approved the transfer of following Indian Standards to Oil and Oilseeds Sectional Committee, FAD 13 and Agriculture Systems and Management, FAD 22, based on the recommendation of the 18th meeting of FAD 20.

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| **Sl No.** | **IS Title** | **Transferred to** |
| **1.** | 1. IS 5223: 1993 Oilseeds Milling Machinery – Oil Expellers – Test Code (*first revision*) 2. IS 5224: 1993 Oilseeds Milling Machinery – Oil Expellers Single Barrel – Specification (*second revision*) 3. IS 13794: 1993 Oilseeds Milling Machinery – Power Ghanies Portable – Specification | Transferred to FAD 13 |
| **2.** | 1. IS 15827: 2019 Cladding Films for Greenhouse / Polyhouse – Specifications (*first revision*) 2. IS 15828: 2009 Design and Construction of Plastic Lined Farm Ponds – Code of Practice 3. IS 15830: 2009 Surface Covered Cultivation – Plastics Mulching Laying Machine – Functional Requirements | Transferred to FAD 22 |

In its 19th meeting, the committee also decided to recommend to FADC to transfer IS 12047: 1987 “Specification for Oil Seed Cookers / Kettles, Horizontal Type” and IS 4596: 1968 “Glossary of Terms Relating to Oil Expellers” to FAD 13 as all other Indian Standards related to oil and oilseeds have already been transferred to FAD 13 and approved by FADC.

So, in the view of above decisions and transfer of standards related to oilseeds to FAD 13 and protected cultivation to FAD 22 the committee may consider to revise the existing scope of FAD 20 for better interpretation.

***The Committee may deliberate.***

**2.2 COMPOSITION OF THE SECTIONAL COMMITTEE**

**2.2.1** The updated composition of Agriculture and Food Processing Equipment Sectional Committee, FAD 20 is enclosed at **Annex II**.



***The Committee may note.***

**2.2.2** Updated nominations on the committee were sought, however nomination are still awaited.

1. M/s Gramkul Farmers Producer Company Limited, New Delhi.
2. ICAR-Central Institute for Women in Agriculture, Bhubaneswar, Odisha.
3. NER-Farm Machinery Training and Testing Institute, Chiralli
4. Mahatma Phule Krishi Vidyapeeth, Rahuri.
5. Osaw Agro Industries Private Limited, Ambala.
6. Ministry of Agriculture, Department of Agriculture, New Delhi.

***The Committee may deliberate.***

**ITEM 3 FINALISATION OF DRAFT INDIAN STANDARDS**

**3.1** As decided in the 19th meeting of FAD 20, the following drafts were sent for wide circulation for eliciting public comments. However, no comments have been received. Therefore, the committee may consider and approve the drafts for finalization.

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| --- | --- | --- | --- | --- |
| **Sl. No.** | **Document Name** | **WC Date** | **Last Date of Comment** | **Document** |
| 1. | Doc: FAD 20 (20703) C Draft Revision of IS 11834 : 1986 Symbols And Flow Diagram For Rice Milling ( *First Revision Of IS 11834* ) | 11 October 2022 | 10 December 2022 |  |
| 2. | Doc. No. FAD 20 (21045) C Draft Revision of IS 12792: 1989 Agricultural Produce Milling Machinery – Mini Rice Mill – Specification (*First Revision of IS 12792*) | 20 October  2022 | 18 December 2022 |  |
| 3. | Doc. No. FAD 20 (21046) C Draft Revision of IS 8427: 1989 Agricultural Produce Milling Machinery – Rubber Roll For Paddy Dehusker – Specification (*Second Revision of IS 8527*) | 20 October 2022 | 18 December 2022 |  |
| 4. | Doc. No. FAD 20 (20648) C Draft Revision of IS 8440: 1977 Paddy Cleaners – Test code (*First revision of IS 8440*) | 4 October 2022 | 4 December 2022 |  |
| 5. | Doc. No. FAD 20 (20845) C Draft Revision of IS 9049: 1989 Agricultural Produce Milling Machinery – Paddy Dehusker, Rubber Roll Type – Test Code (*Second Revision of IS 9049*) | 18 October 2022 | 16 December 2022 |  |
| 6. | Doc. No. FAD 20 (20655) C Draft  Revision of IS 9555 : 1999 Rice  Polisher – Specification  (*Third Revision of IS 9555*) | 7 October 2022 | 7 December 2022 |  |
| 7. | Doc. No. FAD 20 (20660) C Draft Revision of IS 10048: 1999 Rice Grader – Specification (*Third Revision of IS 10048*) | 6 October 2022 | 5 December 2022 |  |
| 8. | Doc. No. FAD 20 (20711) C Draft Revision of IS 10507: 1998 Paddy Separator – Specification (*Second Revision of IS 10507*) | 11 October  2022 | 10 December 2022 |  |
| 9. | Doc. No. FAD 20 (20699) C Draft Revision of IS 11787: 1986 Paddy Dehusker Rubber Roller Type – Specification (*First Revision of IS 11787*) | 11 October 2022 | 10 December 2022 |  |
| 10. | Doc. No. FAD 20 (20714) C Draft Revision of IS 12064 : 1987 Paddy Parboiling – Code of Practice (*First Revision of IS 12064*) | 11 October 2022 | 10 December 2022 |  |
| 11. | Doc. No. FAD 20 (20718) C Draft Revision of IS 12396: 1988 Paddy Cleaners – Specification (*First Revision of IS 12396*) | 11 October 2022 | 10 December 2022 |  |
| 12. | Doc. No. FAD 20 (20702) C Draft Revision of IS 12411: 1988 Paddy Dehusker, Centrifugal Type – Specification (*First Revision of IS 12411)* | 10 October 2022 | 11 December 2022 |  |
| 13. | Doc. No. FAD 20 (20704) C Draft Revision of IS 14603: 1998 Potato Grader – Test Code (*First Revision of IS 14603*) | 11 October 2022 | 10 December 2022 |  |
| 15. | Doc. No. FAD 20 (20726) C Draft Revision of IS 7051: 1973 Power Operted Maize Sheller – Specification (*First Revision of IS 7051*) | 13 October 2022 | 12 December 2022 |  |
| 16. | Doc. NO. FAD 20 (20869) C Draft Revision of IS 7052: 1973 Power Operated Maize Sheller – Test Code (*First Revision of IS 7052*) | 18 October  2022 | 16 December 2022 |  |
| 17. | Doc. No. FAD 20 (17785) Food Serving Utensils Made From Agri By Products – Specification | 20 October 2022 | 19 December 2022 |  |

***The Committee may deliberate.***

**3.2 Draft Revision of Indian Standards Related To Chaff Cutter**

In its 19th meeting committee decided to send the draft revision related to chaff cutters. Accordingly the following revised drafts were sent for wide circulation .

1. FAD 20 (21086) C Draft Revision of IS 1511: 1979 Blades for Chaff Cutter – Specification (*Third Revision of IS 1511*)
2. FAD 20 (21053) C Draft Revision of IS 7897: 1975 Chaff Cutter – Test Code (*First Revision of IS 7897*)
3. FAD 20 (21454) C Draft Revision of IS 7898: 2001 Manually Operated Chaff Cutter - Specification (*Third Revision of IS 7898*)
4. FAD 20 (21455) C Draft Revision of IS 11459: 1985 Chaff Cutter – Power Operated – Specification (*First Revision of IS 11459*)

Further a webinar was organized by BIS for dissemination on 23 December 2022. However, some technical comments were received during wide circulation and in webinar organized by BIS Secretariat held on 23 December 2022 with stakeholders related to chaff cutter. Comments are enclosed at **Annex III-A** and **Annex III-B**.

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| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Document Name** | **WC Date** | **Last Date of Comment** | **Document** | **Comment Received** |
| 1. | FAD 20 (21086) C Draft Revision of IS 1511 : 1979 Blades for Chaff Cutter – Specification (Third Revision of IS 1511) | 20 October 20221 | 19 December 2022 |  |  |
| 2. | FAD 20 (21053) C Draft Revision of IS 7897 : 1975 Chaff Cutter – Test Code (First Revision of IS 7897) | 20 October 2022 | 18 December 2022 |  |  |

The committee may also deliberate on the inclusion of shape and dimensional requirement of cylinder mounted blades in the standard.

***The Committee may deliberate and decide.***

**ITEM 4 APPROVAL OF DRAFT STANDARDS FOR WIDE CIRCULATION**

**4.1 Draft Indian Standard on Dehusker Sheller for Maize**

**a) Doc. No. FAD 20 (20600) Dehusker Sheller for Maize – Specification**

**b) Doc. No. FAD 20 (20601) Dehusker Sheller for Maize – Test Code**

In its 19th meeting, the committee decided to circulate the above mentioned working draft as preliminary draft for period of 21 days. Accordingly the drafts were circulated as P-Draft. However, no comments have been received.

Proposal of AMMA- India: For easy interpretation and better understanding of standard a need was felt that these two documents should be merged following which document FAD 20(20601) should be dropped and Test code should be merged into document FAD 20(20600).

The revised document after merging as received from Dr. Surendra Singh is enclosed at **Annex IV** for reference.



***The committee may consider and decide.***

**4.2 Doc. No. FAD 20 (20568) P Draft Indian Standard Seed Cotton Cylinder Cleaners – Test Code**

In its 19th meeting of FAD 20, the committee approved the above document for wide circulation, however as per the standard formulation procedure at BIS the P-draft has been circulated for 21 days and last date of comments was 11 October, 2022, however no comments have been received. The committee may approve the draft enclosed at **Annex V** for wide circulation.



**4.3 Doc. No. FAD 20 (20567) P Draft Indian Standard Spiral Grader – Test Code**

In its 19th meeting of FAD 20 it was decide to circulate the above draft as P- draft for 21 days without any further modification and accordingly the draft has been circulated as P-draft and last date of comment was 11 October, 2022, however no comment has been received so the committee may approve the draft (enclosed as **Annex VI**) for wide circulation.



***The committee may consider.***

**4.4 Revision of Indian Standards on seed processing plants**

1. **IS 5718: 2000 Agricultural produce processing equipment – Seed cleaners – Test code**
2. **IS 12576: 1989 Seed processing machinery – Indented cylinder grader – Test Code**

In the 19th meeting, the committee deliberated on the comments received from Dr. Vinod H. Kalbande on above draft enclosed at Annex 7 & 8 of the agenda and decided to write again to FAD20/P8 for considering these comments and providing the draft revision of the above two standards. As per the decision in last meeting Dr. Sandeep Mann added as a member of FAD/P8 for providing their expert input on the drafts. Action has been taken accordingly and a communication made with respective members. The comment has been received from Dr. R. Viswanathan is enclosed here at **Annex VII** & **Annex VIII**, however no inputs have been received from other panel members.



***The committee may deliberate.***

1. **IS 14460: 1997 – Seed Processing Equipment – Gravity Separator**

In the 19th meeting of FAD 20, Committee deliberated on the comments received from Dr. Vinod H. Kalbande on the above draft revision and decided to write to FAD20/P8 for considering these comments and providing the revised draft. Following which communication has been made with respective members. The comment has been received from Dr. R. Viswanathan is enclosed here at **Annex IX**, however no inputs have been received from other panel members.



***The committee may deliberate.***

**4.5** **Revision of Indian standards on Agricultural Produce milling machinery**

1. **IS 10520: 1989 Agricultural Produce Milling Machinery - Emery Stones for Burr Flour Mills**
2. **IS 10892: 1984 Recommendations for aperture size of sieves for seed cleaners**
3. **IS 11041: 1984 Air-Screen Seed Cleaner**
4. **IS 12833: 1989 Agricultural Produce Milling Machinery-Roller Flour Mills – Flow Diagram**
5. **IS 13793: 1993 Agricultural produce milling Machinery-Milling of pulses – Flow Diagram**

In the 19th meeting of FAD 20, the committee examined all the above drafts as enclosed in **Annex X** of the agenda and decide to write to Dr. Sandeep Mann to provide the revised draft for wide circulation. The committee further requested Dr. Vinod H. Kalbande and Dr. Ravindra Naik to provide their expert inputs in order to facilitate the revision of the above Indian Standards. However, a communication has been made with respective members and found that drafts are under preparation, which will be tabled in the meeting on receiving.



***The committee may deliberate.***

**4.6 Doc. No. FAD20 (17216) P Draft Indian Standard – Mini Dal Mill – Test method**

In the 19th meeting of FAD20 it was decided to send this draft for wide circulation without any modification, however while discussion among the BIS secretariats it was found that there are some clarifications required in this document which is enclosed in **Annex XI**.



***The committee may deliberate.***

**4.7 Doc. No.** **FAD 20 (17388) P Draft Indian Standard – Seeds and Grain Processing and Storage Engineering - Terminology**

In the 19th meeting of FAD 20, the committee examined the document as enclosed in **Annex** **XII** of the agenda and observed that there is a need of additional terminologies pertaining to subject matter to be added in the draft, therefore the committee decided to write to Director, CIAE and requested Dr. K. Algusundaram along with Dr. Vinod H. Kalbande to provide the draft incorporating necessary changes. However, the modified draft is awaited.

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***The committee may deliberate.***

**4.8 Doc. No. FAD 20 (21781) C Draft Amendment Indian Standard – Sugarcane Crushers – Safety Requirements (First Amendment of IS 15561)**

In the 19th meeting of FAD 20, the draft revision of IS 15561: 2005 was finalized by the committee for wide circulation. However, as only minor changes (majorly editorial) were incorporated in the draft based on comments received. Considering these in place of the revised draft, a draft amendment to IS 15561 was circulated as wide circulation with the approval of Chairperson, FAD 20 on 12 January 2022 with the last date of comments as 13 March, 2023.



***The committee may note.***

**4.9 Doc. No. FAD 20 (17385) C Draft Indian Standard – Grader — Citrus — Size Based (first revision of IS 15831)**

The above draft was finalized by committee in 16th meeting of FAD 20, however while preparing the draft for wide circulation it has been found that clarification is required in draft as enclosed in **Annex XIV**.



***The committee may deliberate.***

**4.10 Revision of Indian standards on cotton processing**

1. **IS 15855: 2010 – Cotton Seed Delinting Machinery-Surge Bin Machine**
2. **IS 15856: 2010 – Cotton Seed Delinting Machinery-Pre-Heating Machine –Specification**

In the 19th meeting of FAD 20, the committee decided to write to Dr. V. G. Arude, CIRCOT along with Dr. Sujata saxena and requested Dr. Vinod H. Kalbande to Provide the revised drafts on the above Indian Standards. Accordingly, a communication has been done with respective members and found that the drafts are under preparation which would be tabled in the meeting on receiving.

***The committee may deliberate.***

**ITEM 5 NEW STANDARDS FOR STANDARDIZATION**

**5.1 Doc. No. FAD20 (21766) Draft Indian Standard – Single Screw Extruder – Specification**

In the 19th meeting of FAD 20 the committee decided to write to Director –CIPHET, Ludhiana, Director, NIFTEM –Sonipat and NIFTEM – Tanjavur to provide their expert input. Communication has been made with those organizations and we received the modified document as enclosed in **Annex XV** from Dr. Nachiket Kotwaliwale, Director –CIPHET, Ludhiana and it has been sent as P-draft for 21 days and the last date of comment is 2 February, 2023.



***The Committee may note and decide.***

**5.2 Doc. No. FAD20 (21688) Draft Indian Standard – Carrot Washer – Specification**

In the 16th meeting of FAD 20, Panel FAD 20/ P9 comprising Dr. Ravindra Naik (Convener), Dr. A. Caroline Rathina, ICAR-IIHR, Bengaluru and Dr. Ravi Gupta, HAU was constituted to formulate draft standard on Carrot Washer. In 19th meeting committee requested Dr. Ravindra Naik to provide the corrected draft. The revised draft received from Dr. Ravindra Naik has been circulated as P-draft for a period of 21 days and the last date of comment is 24 January, 2022. The revised draft and comments received are attached here at **Annex XVI** of the agenda points.



***The committee may deliberate.***

**5.3 Draft Indian Standard – Seed processing plant**

In the17th meeting of FAD 20, it was decided to write again to Dr. P. Masilamani, TNAU with C copy to Dr. K Alugusundaram for providing the draft on Seed processing plant. However, no inputs have been received.

***The committee may deliberate.***

**5.4 Mobile Agro processing Units – Safety Requirements**

In the 16th meeting of FAD 20, it was decided to constitute a panel consisting Dr. Pitam Chandra (Convenor), Dr. S. Bhuvna and Dr. Vinod Kalbande in order to develop a draft on the above subject. Further, a panel meeting was held on 23 July, 2021 and inputs were requested from the members of the panel. Inputs are awaited from the panel.

The document as enclosed in **Annex XVII** of the agenda has been received from Dr. Vinod H. Kalbande and further in 19th meeting committee decided to write to Director, CIPHET-Ludhiana, Director, NIFTEM – Tanjavur and Dr. Sandhya Singh, PAU for providing draft/comments on the above subject, however no input have been received till now.

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***The committee may deliberate and decide***

**5.5 Food Grain ATM – Specification**

In 19th meeting meeting of FAD 20, it was decided to write to Dr. Bhaskar in order to provide his expert input on the draft standard as enclosed in **Annex XVIII**, following which a communication has been made with Dr. Bhaskar and inputs are awaited from him.



***The committee may deliberate.***

**ITEM 6 REVIEW OF INDIAN STANDARDS**

**6.0 Revision of Pre-2000 sized Indian Standards**

As per the BIS decision policy, following standards have been given to BIS officers as an Action Research Project for review.

**6.1** IS 8108(Part 2): 1984 Test Code for Grain Dryers Part 2 Method of Tests for Continuous Dryers allocated to Shri Shivraj Singh Meena, BIS officer, the revised draft incorporating the comments made by him is enclosed here at **Annex XIX**.



***The committee may deliberate and decide.***

**6.2** IS 8108 (Part 3): 1985 Test Code for Grain Dryers Part 3 Methods of Tests for In-Silo Dryers Allocated to Shri S. K. Singh, BIS officer, comments made by him are enclosed here at **Annex** **XX**.



***The committee may deliberate and decide.***

**ITEM 7 ANY OTHER BUSINESS**

**ITEM 8 TIME AND PLACE FOR THE NEXT MEETING**