

**BUREAU OF INDIAN STANDARDS**

**MINUTES**

<b>Name of the Committee</b>	<b>No. of Meeting</b>	<b>Date</b>	<b>Time</b>	<b>Venue</b>
Soil Quality and Fertilizers Sectional Committee, FAD 07	22 <sup>nd</sup> Meeting	12 July 2024 (Friday)	1100 h	Hybrid Meeting

**CHAIRPERSON:**

**Dr. Suresh Kumar Chaudhari**

Deputy Director General

(Natural Resource Management)

New Delhi - 110012

**MEMBER SECRETARY:**

Sh. Kuldeep Mittal

Scientist-B/ Assistant Director

Food and Agriculture Department

Bureau of Indian Standards, New Delhi

**ATTENDANCE** – See Annex I (Page 5)

**ITEM 0 GENERAL**

**0.1 Welcome by Head, Food and Agriculture Department**

Shri Kuldeep Mittal, Member Secretary, FAD 7 extended a warm welcome to the Chairman and members to the 22<sup>nd</sup> meeting of the Soil Quality and Fertilizers Sectional Committee, FAD 7. He thanked the Chairman, Dr. Suresh Kumar Chaudhari for his continuous and efficient guidance towards contribution to the national standardization work. Member Secretary also thanked all the members for their valuable inputs and cooperation and urged members to actively deliberate on the various issues in the agenda.

**0.2 Opening Remark by the Chairperson**

Dr. Suresh Kumar Chaudhari, Chairman, FAD 7 extended a warm welcome to the members of the Committee to its 22<sup>nd</sup> meeting. In his opening remarks, the Chairperson emphasized active participation of all members in the work of the committee and urged them to deliberate on the various issues in the agenda in a pro-active and fruitful manner and respond within the stipulated time so that meaningful decisions could be taken and various draft standards finalized.

**ITEM 1 CONFIRMATION OF THE MINUTES OF 21<sup>ST</sup> MEETING**

There being no comments, the committee confirmed the minutes of the 21<sup>st</sup> meeting of the Soil Quality and Fertilizers Sectional Committee, FAD 7 held online on 6 March 2024 circulated vide email dated 22 March 2024 without any modifications.

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

**2.1** The Committee noted the scope and programme of work of FAD 7 as provided in Annex I of the agenda.

**2.2** The Committee noted the composition of FAD 7 as provided in Annex II of the agenda.

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**2.3** The Committee reviewed the composition of the panel under FAD 7 provided in agenda item 2.3 and decided as under:

- a) The Committee decided to co-opt Dr. Alok Srivastava on the composition of FAD 7/Panel I.
- b) The Committee decided to co-opt Dr. Amit Rastogi from Coromandel International Limited and Dr. K. Subramaniam, Former Director, TNAU on the composition of FAD 7/Panel II.

**2.4** The Committee examined the request of Dr. Simran Jit from Department of Zoology, Miranda House College, University of Delhi for becoming the member of FAD 7 along with her CV assessing the qualification and experience. After a detailed evaluation, the Committee was of the view that her expertise does not align with the specific subject area required for the Committee. Hence, the Committee decided not to accept her request to become a member of FAD 7.

**ITEM 3 REVIEW OF INDIAN STANDARDS**

**3.1** The committee noted the information provided under agenda item 3.1.

**ITEM 4 FINALIZATION OF DRFAT INDIAN STANDARDS**

**4.1** The Committee deliberated on agenda item 4.1 in detail and decided as under:

a) There being no comments, the Committee finalized the following documents for publication:

Sl. No.	Doc. No.	IS Title
1.	FAD 07(25165)WC	Agriculture grade iron pyrites as soil amendment – Specification ( <i>first revision of IS 14403</i> )
2.	FAD 07(25182)WC	Specification for ammonium chloride, fertilizer grade ( <i>second revision of IS 1114</i> )
3.	FAD 07(25185)WC	Chelated zinc (Zn - EDTA) agricultural grade – Specification ( <i>first revision of IS 13921</i> )
4.	FAD 07(25188)WC	Chelated iron (Fe - EDTA), agricultural grade – Specification ( <i>first revision of IS 13922</i> )

b) Since the following documents have not completed the WC stage yet, the Committee decided to wait for receiving the comments till last date. In case no comments are received, the Committee directed the BIS Secretariat to send these documents in publication after approval of Chairperson, FAD 7:

Sl. No.	Doc. No.	IS Title	Last Date of Comment
1.	FAD 07(25329)WC	Specification for castor seed cake for purposes for fertilizer ( <i>first revision of IS 3029</i> )	25 July 2024
2.	FAD 07(25295)WC	Specification for neem cake for manuring ( <i>first revision of IS 8558</i> )	25 July 2024

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3.	FAD 07(25166)WC	Specification for agricultural liming materials as soil amendments: Part 1 hydrated lime and burnt lime ( <i>second revision of IS 5409 (Part 1)</i> )	8 August 2024
4.	FAD 07(25167)WC	Specification for agricultural liming materials as soil amendments: Part 2 limestone and dolomite ( <i>second revision of IS 5409 (Part 2)</i> )	8 August 2024
5.	FAD 07(25180)WC	Specification for triple superphosphate ( <i>second revision of IS 1013</i> )	9 August 2024
6.	FAD 07(25723)WC	Specification for by-product gypsum ( <i>first revision of IS 10170</i> )	9 August 2024
7.	FAD 07(25184)WC	Terminology related to soil reclamation ( <i>first revision of IS 12410</i> )	9 August 2024

**ITEM 5 DRAFT REVISION UNDER DEVELOPMENT**

**5.1 Draft Revision of IS 15848 : 2009 ‘Zinc sulphate monohydrate, agriculture grade’**

The Committee acknowledged the comments received from Sh. Mahesh G. Shetty and Dr. S. P. Datta on IS 15848 : 2009 as provided under agenda item 5.1. The committee accepted the comments and decided to issue the draft revision of IS 15848 in wide circulation for a period of 60 days for public comments after incorporating the comments appropriately.

**ITEM 6 NEW WORK ITEM PROPOSAL**

**6.1** The Committee acknowledged the draft received from Dr. A. K. Rai on FGD gypsum for reclamation of sodic soil as provided in Annex III of the agenda. The Committee considered the document for formulating Indian Standard on the subject and decided to send it as P-Draft among the committee members for a period of 21 days. The BIS Secretariat urged the Committee members to examine the document and provide comments in stipulated time.

**ITEM 7 PANELWISE PROGRESS REPORT**

**7.1 FAD 7/ Panel I** – The Committee examined the minutes of first meeting of FAD 7/Panel I as provided in Annex IV and requested to put the draft on Soil Health Card before the committee in its next meeting.

**7.2 FAD 7/ Panel II** – The Committee examined the minutes of first meeting of FAD 7/Panel II as provided under agenda item 7.2 and requested to put the drafts on nano-fertilizers before the committee in its next meeting.

**7.3 FAD 7/ Panel III** – The Committee examined the minutes of first and second meeting of FAD 7/Panel III as provided in Annex V and Annex VI and decided as under:

<b>Sl. No.</b>	<b>IS Number</b>	<b>IS Title</b>	<b>Decision of the Committee</b>
1.	IS 14634 : 1999	Code of practice for preparation and application of blue - Green algae as bio-fertilizer in soils	The committee approved the recommendation of the panel and decided to replace the word 'ethylene diamine tetra acetic acid (disodium salt)' with Fe-EDTA in <b>CI 2.3.1.3</b> of IS 14634. The Committee further decided to issue the draft revision of the standard in wide circulation for a period of 60 days in latest style and format of Indian Standards.
2.	IS 6092 (Part 1) : 1985	Methods of sampling and test for fertilizers: Part 1 sampling (First Revision)	The Committee approved the recommendation of the panel and decided to align IS 6092 (Part 1) with FCO. The Committee further decided to issue the draft revision of the standard in wide circulation for a period of 60 days in latest style and format of Indian Standards.
3.	IS 6092 (Part 2) : 1985	Methods of sampling and test for fertilizers: Part 2 determination of nitrogen (First Revision)	The Committee approved the recommendation of the panel and decided to incorporate the test method used for determination of cyanamide nitrogen in the standard in line with FCO. The Committee further decided to issue the draft revision of the standard in wide circulation for a period of 60 days in latest style and format of Indian Standards.
4.	IS 6092 (Part 3) : 1985	Methods of sampling and test for fertilizers: Part 3 determination of phosphorus (First Revision)	The Committee approved the recommendation of the panel and decided to withdraw IS 6092 (Part 3) as it had already been sub-divided into 5 sections in year 2004.

The committee also requested the panel to provide its final recommendation on remaining documents in next meeting of the committee.

## **ITEM 8      DATE AND TIME FOR NEXT MEETING**

**8.1** The Committee decided to conduct the next meeting of the Committee on 14<sup>th</sup> October 2024 after consulting with the Chairperson.

**Annex I**  
**ATTENDANCE**

**Soil Quality and Fertilizers Sectional Committee, FAD 7**

<b>Sl. No.</b>	<b>Organization</b>	<b>Name</b>	<b>Email</b>
1.	Natural Resource Management, New Delhi	Dr. Suresh Kumar Chaudhari ( <i>Chairperson</i> )	<a href="mailto:ddg.nrm@icar.gov.in">ddg.nrm@icar.gov.in</a>
2.	Central Fertilizers Quality Control And Training Institute, Faridabad	Mr. Shyam Babu	<a href="mailto:shyamdebbera@gmail.com">shyamdebbera@gmail.com</a>
3.	ICAR - Central Soil Salinity Research Institute, Karnal	Dr. A. K. Rai	<a href="mailto:ak.raai@icar.gov.in">ak.raai@icar.gov.in</a>
4.	ICAR - National Bureau Of Agriculturally Important Microorganisms, Kushmaur	Dr. Hillol Chakdar	<a href="mailto:hillol.chakdar@gmail.com">hillol.chakdar@gmail.com</a>
5.	ICAR - National Bureau Of Soil Survey And Land Use Planning, Nagpur	Dr. Hrittick Biswas	<a href="mailto:hrittick.biswas@icar.gov.in">hrittick.biswas@icar.gov.in</a>
		Mr. Nitin Patil	<a href="mailto:nitin.patil@icar.org.in">nitin.patil@icar.org.in</a>
6.	Indian Agricultural Research Institute, New Delhi	Dr. Debashish Mandal	<a href="mailto:head_ssac@iari.res.in">head_ssac@iari.res.in</a>
7.	Indian Farmers Fertilizer Cooperative, New Delhi	Dr. Tarunendu Singh	<a href="mailto:tarunendu@iffco.in">tarunendu@iffco.in</a>
8.	Indian Institute of Soil Science, Bhopal	Dr. S P Datta	<a href="mailto:director.iiss@icar.gov.in">director.iiss@icar.gov.in</a>
9.	Indian Micro Fertilizers Manufacturers Association, Pune	Dr. R. K. Tewatia	<a href="mailto:rkt2129@gmail.com">rkt2129@gmail.com</a>
10.	Insecticides (India) Limited, Delhi	Dr. Ritika Pathak	<a href="mailto:ritika.pathak@insecticidesindia.com">ritika.pathak@insecticidesindia.com</a>
		Dr. Ankit Kumar	<a href="mailto:ankit.kumar@iilindia.org">ankit.kumar@iilindia.org</a>
11.	International Zinc Association, New Delhi	Dr. Soumitra Das	<a href="mailto:sdas@zinc.org">sdas@zinc.org</a>
12.	Mahatma Phule Krishi Vidyapeeth, Rahuri	Prof. B. M. Kamble	<a href="mailto:headssacmpkv@gmail.com">headssacmpkv@gmail.com</a>
13.	Multiplex Bio-Tech Private Limited, Bengaluru	Dr. Mahesh G. Shetty	<a href="mailto:mngshetty@multiplexgroup.com">mngshetty@multiplexgroup.com</a>
14.	National Centre For Organic And Natural Farming, Ghaziabad	Dr. Gagnesh Sharma	<a href="mailto:gaganncof@gmail.com">gaganncof@gmail.com</a>
15.	National Fertilizers Limited, Noida	Dr. Jyoti Goel	<a href="mailto:jyotipande21@nfl.co.in">jyotipande21@nfl.co.in</a>
16.	Tamil Nadu Agricultural University, Coimbatore	Prof. P. Balasubramaniam	<a href="mailto:balutnau@gmail.com">balutnau@gmail.com</a>