

BUREAU OF INDIAN STANDARDS

Minutes of the Second (2nd) Meeting of Ayurveda Sectional Committee-AYD 01 of the Ayush Department

Name of the Committee	No. of Meeting	Day	Date	Time	Venue
Ayurveda Sectional Committee, AYD 01	Second (2 nd)	Wednesday	29 November 2023	11.00 h	Mimamsa (White Room), Manak Bhavan, BIS HQ, New Delhi

CHAIRPERSON: Vaidya Jayant Deopujari, Chairperson, NCISM, New Delhi

MEMBER SECRETARY: Dr Raghavendra Naik, Scientist C, BIS

List of Participants: Annexure A

ITEM 0 GENERAL

0.1 Welcome by the Head, Ayush Department, BIS

Smt. Manju Gupta, Scientist F & Head, Ayush Department, BIS welcomed the Chairman and participating members of Ayurveda Sectional Committee on behalf of BIS and thanked them for sparing their valuable time for supporting BIS, the National Standards Body of India in its pursuit of standardization. She informed the Committee about publication of 33 Indian Standards pertaining to single herbs, publication of a Catalogue of Indian Standards for Ayush systems and efforts of BIS in showcasing Ayush related standardization activities at different platforms. She called for active participation by the members in terms of submission of Preliminary drafts as well as comments for formulation of Indian Standards.

0.2 Opening remarks by the Chairperson, AYD 01

Vd. Jayant Deopujari, Chairperson, AYD 01 welcomed the members and representatives of the BIS secretariat. He emphasized the need for expediting the development of Indian standards as per the scope of the Ayurveda Sectional Committee. He acknowledged the ongoing efforts in this regard and encouraged expert members to actively participate by providing their comments and technical inputs on the drafts shared by the Bureau of Indian Standards (BIS).

ITEM 1 CONFIRMATION OF THE MINUTES OF THE LAST MEETING

In the absence of any comments, the committee confirmed the minutes of the First (1st) meeting of Ayurveda Sectional Committee, AYD 01 held on 16th May 2023 which were

circulated to committee members through BIS module as well as by email dated 30th May 2023.

ITEM 2 SCOPE AND COMPOSITION OF THE SECTIONAL COMMITTEE

2.1 The committee noted the scope of activities of the AYD 01 provided in the agenda.

2.2 The committee noted the composition of AYD 01 - Ayurveda sectional committee as provided in the Annex A of the agenda.

2.2.1 The committee noted and accepted the nomination of Dr. Pramod Yadav, Assistant Professor (Principal Member) and Dr. Meena Deogade, Associate Professor (Alternate Member) as representatives of the All India Institute of Ayurveda (AIIA), New Delhi

2.2.2 The committee recommended to send reminder to the Defense Research and Development Organization (DRDO), seeking nomination of their representatives in AYD 01.

2.2.3 The committee noted the revised nomination received from CDSCO and accepted the nominations of Sh. Sushant Sharma, Deputy Drugs Controller (I) and Dr. Rachna Paliwal, Assistant Drugs Controller (I), (Homoeopathy) in place of Dr Rikta Saha (Principal Member) and Sh. Sushanta Sarkar (Alternate Member).

2.2.4 The committee noted and accepted the following nomination requests received through BIS portal.

1. Dr. Kavita Munjal, Amity Institute of Pharmacy, Amity University, Noida.
2. Akshay Charegaonkar, Anchrom Enterprises (I) Pvt. Ltd. Mumbai.
3. Dr Vijay Bhaskar S, Parul Institute of Ayurveda, Vadodara, Gujarat.

The committee requested member secretary to seek nominations through their organizations.

ITEM 3 ISSUES ARISING OUT OF PREVIOUS MEETINGS

3.1 The committee noted and deliberated in detail regarding the actions taken on the recommendations of the previous meeting and decided the following:

S. No.	Minutes of 1st meeting	Action taken/Status	Decision of the committee
1.	The committee constituted a panel (P1) of experts to prepare the P drafts on Single Herbs	Panel 1 conducted two meetings and prepared 20 Preliminary drafts as per the list provided in the Scope. The P Draft were circulated for a duration of two weeks.	The committee noted the progress made by the panel and recommended to circulate the preliminary drafts as Wide Circulation (WC) drafts for a duration of two months.

2.	The committee constituted a panel (P2) of experts to prepare the P drafts on Ksharsutra and related subjects.	Panel 2 conducted One meeting and prepared a preliminary draft Ksharasutra (Part 1) - Specification. The P Draft was circulated to committee members for a duration of two weeks.	The committee noted the progress made by the panel and recommended to circulate the preliminary draft as Wide Circulation (WC) drafts for a duration of sixty days.
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3.2 The committee nominated Dr Anagha Ranade, Research Officer (Ay.), CCRAS as the convenor of AYD 01/Panel 1 (Panel for single herbs) in place of Dr Raghavendra Naik as Dr Naik has now been assigned the role of Member Secretary of AYD 01.

3.3 The committee recommended to include Dr Gunjan Patheja, Consultant (Ayurveda), BIS in the AYD 01/Panel 1 (Panel for single herbs).

ITEM 4 DRAFT STANDARDS/ AMENDMENTS FOR FINALIZATION

The committee noted the comments received on following 12 drafts completed Wide circulation and recommended to process the documents for publication after incorporating the comments. The point wise decision on each comment is given at Annexure B.

S. No.	Doc. No	Title of the Draft Standard
1.	AYD 1 (22632)	<i>Ajamoda (Apium leptophyllum (Pers.) F. V. M. ex Benth.)</i> Fruit for use in Traditional Medicine - Specification
2.	AYD 1 (22633)	<i>Aragvadha (Cassia fistula Linn.)</i> Fruit pulp for use in Traditional Medicine - Specification
3.	AYD 1 (22634)	<i>Ashvattha (Ficus religiosa Linn.)</i> Bark for use in Traditional Medicine - Specification
4.	AYD 1 (22635)	<i>Babbula (Acacia nilotica (Linn.) Willd. ex Del.)</i> Stem bark for use in Traditional Medicine - Specification
5.	AYD 1 (22636)	<i>Ativisha (Aconitum heterophyllum Wall. ex. Royle)</i> Root for use in Traditional Medicine - Specification
6.	AYD 1 (22637)	<i>Bakuchi (Psoralea corylifolia Linn.)</i> Fruit for use in Traditional Medicine - Specification
7.	AYD 1 (22638)	<i>Chandrashura (Lepidium sativum Linn.)</i> Seed for use in Traditional Medicine - Specification
8.	AYD 1 (22639)	<i>Dhanyaka (Coriandrum sativum Linn.)</i> Fruit for use in Traditional Medicine - Specification
9.	AYD 1 (22640)	<i>Dhataki (Woodfordia fruticosa (Linn.) Kurz.)</i> Flower for use in

		Traditional Medicine – Specification
10.	AYD 1 (22642)	<i>Hingu (Ferula foetida</i> Regel.) Oleo-gum-resin for use in Traditional Medicine – Specification
11.	AYD 1 (22643)	<i>Jatamansi (Nardostachys jatamansi</i> DC.) Rhizome for use in Traditional Medicine – Specification
12.	AYD 1 (22631)	Glossary of Ayurvedic Terminology, Part 6 – Standardized Terminology for Treatment

ITEM 5 DRAFT STANDARDS/AMENDMENTS FOR FINALIZATION FOR WIDE CIRCULATION

The committee noted the comments received on following 21 preliminary drafts and recommended to process these documents for Wide circulation for a duration of Sixty days. The point wise decision on each comment is given at Annexure C.

S. No.	Doc. No	Title of the Draft Standard/P-Draft
1.	AYD 1 (23792)	<i>Snuhi (Euphorbia neriifolia</i> Linn.) Stem for use in Traditional Medicine – Specification
2.	AYD 1 (23804)	<i>Krishnajiraka (Carum carvi</i> Linn.) Fruit for use in Traditional Medicine – Specification
3.	AYD 1 (23805)	<i>Kushtha (Saussurea lappa</i> C.B. Clarke) Root for use in Traditional Medicine – Specification
4.	AYD 1 (23813)	<i>Kulattha [Vigna unguiculata</i> (Linn.) Walp.] Seed for use in Traditional Medicine – Specification
5.	AYD 1 (23814)	<i>Kiratatikta (Swertia chirata</i> Buch.Ham.) - Whole Plant use in Traditional Medicine – Specification
6.	AYD 1 (23816)	<i>Karanja [Pongamia pinnata</i> Linn. (Merr)] Seed for use in Traditional Medicine – Specification
7.	AYD 1 (23817)	<i>Kanchanara (Bauhinia variegata</i> Blume) Stem bark for use in Traditional Medicine – Specification
8.	AYD 1 (23818)	<i>Kankola (Piper cubeba</i> Linn.f) Fruit for use in Traditional Medicine – Specification
9.	AYD 1 (23819)	<i>Ketaki (Pandanus tectorius</i> Soland.ex Parkinson) – Root for use in Traditional Medicine – Specification
10.	AYD 1 (23821)	<i>Svetajiraka (Cuminum cyminum</i> Linn.) Fruit use in Traditional Medicine – Specification
11.	AYD 1 (23823)	<i>Kutaja (Holarrhena antidysenterica</i> (Roth) A. DC.) - Stem bark for use in Traditional Medicine – Specification
12.	AYD 1 (23824)	<i>Lavanga (Syzygium aromaticum</i> (Linn.) Merr. & L.M. Perry Flower Bud for use in Traditional Medicine – Specification

13.	AYD (23825)	1	<i>Lodhra (Symplocos racemosa Roxb.)</i> Stem bark for use in Traditional Medicine - Specification
14.	AYD (23826)	1	<i>Nyagrodha (Ficus bengalensis Linn.)</i> Stem Bark for use in Traditional Medicine - Specification
15.	AYD (23827)	1	<i>Sukshmaila (Elettaria cardamomum (Linn.) Maton)</i> Fruit for use in Traditional Medicine - Specification
16.	AYD (23828)	1	<i>Mishreya (Foeniculum vulgare Mill.)</i> Fruit for use in Traditional Medicine - Specification
17.	AYD (23829)	1	<i>Pashanabheda (Bergenia ciliata (Haw.) Sternb.)</i> Rhizome for use in Traditional Medicine - Specification
18.	AYD (23830)	1	<i>Puga (Areca catechu Linn.)</i> Seed for use in Traditional Medicine - Specification
19.	AYD (23831)	1	<i>Patha (Cissampelos pareira Linn.)</i> Root for use in Traditional Medicine - Specification
20.	AYD (23886)	1	<i>Shathi (Hedychium spicatum Ham.ex Smith.)</i> Rhizome for use in Traditional Medicine - Specification
21.	AYD (24024)	1	Ksharasutra (Part-1) - Specification

ITEM 6 DRAFTS UNDER PREPARATION

The committee noted that there are no drafts under preparation.

ITEM 7 COMMENTS ON PUBLISHED STANDARDS

The committee noted the comments received on two published standards under AYD 01 and recommended to refer the comments to the “Therapeutic and diagnostic equipments subcommittee”.

ITEM 8 NEW SUBJECTS FOR APPROVAL OF THE COMMITTEE

The committee noted and deliberated on the new subjects proposed in the agenda. The committee recommended the constitution of following two subcommittees and four dedicated panel of experts to expedite finalization of preliminary drafts related to identified subjects.

8.1 AYD 01/SC 1 : Standardization of Therapeutic and Diagnostic equipments used in Ayurveda.

Scope

- To propose the list of Therapeutic and Diagnostic equipments for formulation of Indian Standards along with their working drafts, in phased manner for discussion within the Ayurveda Sectional Committee and for inviting comments from the stakeholders.
- To examine and resolve the comments received on the draft Indian Standards on

Therapeutic and Diagnostic equipments for appropriate incorporation.

Composition

1. Dr Giridhar Vedantam, Guru Gorakhnath Institute of Medical Sciences, Gorakhpur
(*Convener*)
2. Dr Vasant Patil, Ayurveda Mahavidyalaya, Hubli
3. Dr Shivakumar Harti, All India Institute of Ayurveda, Delhi
4. Dr Anil Koralli, KLE Ayurveda College, Belagavi
5. Dr Preeti Sahu, CGHS, Delhi
6. Dr Gunjan Patheja, Bureau of Indian Standards, New Delhi
7. Dr Gaurishankar Urkude, Shri K R Pandav Ayurveda College, Nagpur
8. Dr Rajesh Guru, Shushrusha Ayurveda Clinic, Nagpur

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be guiding the committee regarding standards for Therapeutic and Diagnostic equipments used in Ayurveda. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

8.2 AYD 01/SC 2 : Standardization of Pharmaceutical equipments used in Ayurveda.

Scope

- a) To propose the list of Pharmaceutical equipments being used in Ayurveda for formulation of Indian Standards along with their working drafts, in phased manner for discussion within the Ayurveda Sectional Committee and for inviting comments from the stakeholders.
- b) To examine and resolve the comments received on the draft Indian Standards on pharmaceutical equipments used in Ayurveda for appropriate incorporation.

Composition

1. Dr Ram Kumar, AMMOI, Thrissur (Convener)
2. Dr Ashok B K, Himalaya Wellness Company Bangalore
3. Dr Rakesh Singh, National Institute of Ayurveda, Jaipur
4. Dr Gunjan Patheja, Bureau of Indian Standards, New Delhi
5. Dr Ramakrishna, Rasendra Rasashala Hyderabad
6. Dr Veena Kupati, KLE Ayurveda College, Belgaum
7. Dr Raman Belge, Shri Ayurveda Mahavidyalaya, Nagpur

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be

guiding the committee regarding standards for pharmaceutical equipments used in Ayurveda. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

8.3 AYD 01/P 3: Panel for Ksharasutra cabinet and test methods

Scope

- a) To prepare draft Indian Standards on Ksharasutra cabinet and test methods for Ksharasutra.
- b) To examine and resolve the comments received on the draft Indian Standards on Ksharasutra cabinet and test methods for appropriate incorporation.

Composition

1. Dr Pramod Yadav, All India Institute of Ayurveda, Delhi (*Convener*)
2. Dr Pratap Shankar, National Ayurveda Research Institute for Pancha Karma, Cheruturuthy
3. Dr Prafulla Fadnavis, Datta Meghe Ayurved Medical College, Nagpur
4. Dr. Shrikant Kashikar

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be guiding the committee regarding standards for Ksharasutra cabinet and test methods for Ksharasutra. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

8.4 AYD 01/P4 : Panel for test methods for Herbal materials.

Scope

- a) To examine whether the existing BIS standards on test methods are similar to those mentioned in ASU&H Pharmacopoeias and can be adopted (as such or with minimal customization) for Indian standards on Single herbs.
- b) To prepare working drafts on test methods for herbal materials and to examine & resolve the comments received on the drafts for their appropriate incorporation.

Composition

1. Dr Ashok B K, Himalaya Wellness company Bangalore (*Convener*)
2. Dr Kavita Munjal, Amity University, Noida
3. Dr Aryalakshmi, Delhi Pharmaceutical Sciences and Research University, Delhi
4. Dr. Mrunal Jamdar, Sree Ayurvedic Panchakarma Clinic, Nagpur
5. Dr S. K. Kamdi, Lifeline Ayurveda Hospital and Panchakarma Centre, Gadchiroli
6. Dr. Vandana Aloni, MS Ayurveda College, Gondia

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be guiding the committee regarding standards for test methods of Herbal materials used in Ayurveda. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

8.5 AYD 01/P5 : Panel for method of preparation of different dosage forms.

Scope

- c) To prepare draft Indian standards for method of preparation of different dosage forms being used in Ayurveda.
- d) To examine and resolve the comments received on the draft Indian Standards on dosage forms for their appropriate incorporation.

Composition

1. Dr Anand Gudiwada, CGHS Delhi (*Convener*)
2. Dr Rakesh Singh, National Institute of Ayurveda, Jaipur
3. Dr Ashok B K, Himalaya Wellness Company, Bangalore
4. Dr Balaji Panigrahi, Indian medicine Pharmaceutical Corporation Limited (IMPCL), Uttarakhand
5. Dr Charusmita Shah, Charusmita Shah Ayurveda Clinic, Amaravati

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be guiding the committee regarding standards for method of preparation of different dosage forms used in Ayurveda. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

8.6 AYD 01/P6 : Panel for standardization of Drug testing methods of Ayurveda

Scope

- a) To suggest the list of standards to be prepared under the subject and to formulate their working drafts, in phased manner for discussion within the Ayurveda Sectional Committee and for inviting comments from the stakeholders.
- b) To examine and resolve the comments received on the draft Indian Standards on Drug testing methods of Ayurveda for appropriate incorporation.

Composition

1. Dr Meena Deogade, All India Institute of Ayurveda, Delhi (*Convener*)
2. Dr. Dhanjay Kulkarni, Bharadhwaj Ayurveda Clinic Pune

3. Dr. Santosh Nevpurkar, Deerghayu Ayurveda Clinic, Aurangabag
4. Dr Rajiv Dhanorkar, Dhanorkar Ayurveda Hospital and Panchakarma Kendra Chandrapur
5. Dr. Rajesh Zanwar, Sri Gajanan Hospital, Malkapur
6. Dr. Suraj Pise, Arogya Ayurveda Panchakarma Clinic, Nagpur

Terms of reference (ToRs)

The Convener will coordinate to hold the meeting(s) of the panel (preferably by VC mode) and may co-opt experts, if required for specific inputs and guidance. The Panel would be guiding the committee regarding standardization of Drug testing methods of Ayurveda. The panel will submit its report along with the preliminary drafts to the BIS secretariat through the Convener to process the drafts further.

ITEM 9 TECHNICAL ISSUES

The committee noted that there are no technical issues for discussion.

ITEM 10 INTERNATIONAL ACTIVITIES

The committee noted the information regarding initiative taken by BIS to have a dedicated Technical Committee for Ayurveda and Yoga in the ISO and urged the member experts to proactively participate in expediting the formulation of Indian Standards pertaining to Ayurveda to further strengthen India's claim in ISO for having a dedicated committee.

The committee noted and appreciated the participation of Indian delegation in "9th International Conference on Ayurveda, Unani, Siddha, and Traditional Medicine at Colombo, Sri Lanka for showcasing BIS standardization activities related to Ayush system on a global scale.

ITEM 11 PROGRAMME OF WORK (INCLUDING PERIODIC REVIEW OF INDIAN STANDARDS)

The committee noted the program of work of AYD-01 as provided in Annexure G of the agenda.

ITEM 12 DATE AND TIME FOR THE NEXT MEETING

The committee recommended to hold the next meeting in consultation with the Chairperson, AYD 01.

ITEM 13 ANY OTHER BUSINESS

13.1 Creation of standardization cells:

The committee was informed regarding the direction received from DG, BIS for the Creation

of standardization cells in all the Industrial associations represented in the Sectional Committee. The committee noted the creation of standardization cells in the Association of Manufactures of Ayurvedic Medicines (AMAM) and Ayurvedic Medicine Manufacturers Organization of India (AMMOI).

13.2 Instructions to the members: The committee was informed about the office order regarding the Effective Implementation of the Process Reforms Aimed at strengthening the standardization ecosystem in the Country as issued by the BIS.

The committee was also apprised of the Guidelines for Research & Development project for formulation and review of Standards. The committee members were requested to submit R&D project in their area of expertise for the standardization works for the consideration of the sectional committee.

13.2 Dissemination of Information related to Ayush standardization activities at BIS:

The committee further noted the need of creating awareness regarding Ayush related standardization activities in BIS and suggested the following:

- i). The BIS may have a video that documents the process of standards formulation and Ayush-related standardization work in BIS. This video can be utilized during the transitional curriculum programme of Ayurveda students to provide them with a deeper understanding of the standardization process and its implications in the Ayurveda sector.
- ii). BIS may set up exhibition stalls at National/International seminars/expo related to Ayush systems.
- iii). The member secretary to share “BIS Guidelines for Standards clubs” with all Ayurveda colleges through NCISM.