

BUREAU OF INDIAN STANDARDS

AGENDA

MEETING	DAY & DATE	TIME	VENUE
Fifteenth Meeting of Metal Containers Sectional Committee, PGD 38	13 December 2024 Friday	1030 h	Virtual: WebEx

Chairperson: Dr. N.C. Saha, In Personal Capacity (Former Director, IIP Mumbai)

Member Secretary: Mr. Krishna Sudheendran, Scientist-C / Deputy Director, PGD, BIS

Item 0 GENERAL**0.1 Welcome by the Head (PGD) / Member Secretary****0.2 Opening Remarks by the Chairperson****Item 1 CONFIRMATION OF MINUTES OF LAST MEETING**

The minutes of 14th meeting of PGD 38 was circulated on 27 September 2024. No comments have been received. The Committee may confirm the minutes in view of non-receipt of comments.

Item 2 COMPOSITION OF SECTIONAL COMMITTEE

The composition of Metal Containers Sectional Committee, PGD 38 is given in [Annex A](#) (Page 5-10). The Committee may please note and review.

Item 3 COMMENTS ON PUBLISHED STANDARDS**3.1 Comment on IS 14407 : 2023**

The comments by BIS secretariat on IS 14407 : 2023 'Aluminium cans for beverages — Specification (first revision)' is given below. The Committee may discuss.

Sl. No.	Clause No.	Type of Comment	Comment	Proposed Change
1	5.2	Technical	As per cl. 5.2, the temper of <u>End</u> shall be H48 or H49 and that of <u>Tab</u> shall be H38, H39, H48 or H49. However, Table 2B specifies mechanical properties for only H38 and H39 temper, but properties of H48 and H49 temper are not specified.	The mechanical properties of H48 and H49 temper which are used for ends and tab to be clarified in the standard.

3.2 Comment on IS 18427 : 2023

The comments by BIS secretariat on IS 18427 : 2024 'Three piece round open top metal cans for foods and beverages — Specification ' is given below. The Committee may discuss.

Sl. No.	Clause No.	Type of Comment	Comment	Proposed Change
1	7.7.2	Technical	The seam length, body hook, cover hook, and minimum overlap are specified for thermally processed cans. Whereas, for non-thermally processed cans, body hook and cover hook are given but the seam length and minimum overlap are not specified.	The clarification on seam length specification for non-thermally processed cans may be added.
2	7.7.3.3	Technical	Cl. 7.7.3.3 states that 'Minimum acceptable overlap shall be 1.00 mm.' However, minimum overlap in Table 7 is 0.90 mm for thermally processed food can having 202 can diameter. For other sizes, it ranges from 1.00 mm to 1.20 mm.	The requirement of minimum acceptable overlap may be retained either in Cl. 7.7.3.3 or in Table 7.

Item 4 PROGRAMME OF WORK

4.1 The present programme of work of Metal Containers Sectional Committee, PGD 38 is given in [Annex B](#) (Page 11-14).

The Committee may note.

4.2 Constitution of Working Groups

The Committee may constitute working groups for the revision of following standards.

<i>IS No.</i>	<i>Title</i>
IS 3101 : 1995	Aluminium collapsible tubes -- Specification (second revision)
IS 7182 : 1973	Methods of tests for aluminium collapsible tubes
IS 7852 : 1975	Specification for eye ointment tubes, small
IS 8393 : 1977	Specification for roll seal pilferproof closures

4.3 Status of Panels/Working Groups

The status of work of all the Panel/WG constituted by the Committee is given below.

The Committee may note.

<i>Sl. No.</i>	<i>Panel/WG</i>	<i>Convenor</i>	<i>Projects Assigned</i>	<i>Status</i>
1	PGD 38/P1 Open Top Cans	Mr. Rajeev Tyagi <i>Hindustan Tin Works Limited</i>	NIL	Inactive
2	PGD 38/P2 Aluminium Container for Beverages	Mr. Virendra Landge <i>Coca-Cola India Private Limited</i>	NIL	Inactive
3	PGD 38/P3 Tinplate Conipails and Cylindrical Containers for Paint	Mr. Navninder Singh <i>Asian Paints Limited, Mumbai (Convenor)</i>	New: 1 Revision: 1	Meeting yet to be convened.
4	PGD 38/P4 Lacquer and Coating for Food Cans	Mr. Rajat Bhattacharjee <i>Valspar (India) Coatings Corporation Private Limited</i>	NIL	Inactive
5	PGD 38/P7 Metal Drums and Closures	Mr. Banmali Behera <i>Directorate of Quality Assurance, DQA(S), Kanpur</i>	Revision: 2	Two meetings have been convened. Further discussion required for the resolution of the work assigned.
6	PGD 38/WG1 Edible Oil Tin	Mr. B. Ramanathan <i>JSW Steel Coated Products</i>	Revision: 1	The panel has convened and preliminary recommendations given, based on which the working draft is being prepared by the Member Secretary.
7	PGD 38/WG2 Steel drums (below 150 l), bitumen drums and metal closures	Mr. Chanchal Kumar Karmakar <i>JSW Steel Coated Products</i>	Revision: 5	Meeting yet to be convened.
8	PGD 38/WG3 Stainless Steel Feeding Bottles	Mr. Gaurav Saraogi <i>Chemco Plastic Industries Private Limited</i>	Revision: 1	Meeting yet to be convened.
9	PGD 38/WG4 Composite Drums	<i>Agarwal Packaging Private Limited</i>	New: 1	Meeting yet to be convened.

<i>Sl. No.</i>	<i>Panel/WG</i>	<i>Convenor</i>	<i>Projects Assigned</i>	<i>Status</i>
10	PGD 38/WG5 Easy Open Ends	Mr. S. Sreenatha <i>Easy Openends India Private Limited</i>	New: 1	Meeting yet to be convened.
11	PGD 38/WG6 Aerosol Containers	Mr. Milind Vaidya <i>One Asia Network India Private Limited</i>	Revision: 5	Meeting yet to be convened.

Item 5 INTERNATIONAL ACTIVITY

India is 'O' member on the ISO/TC 52 'Light gauge metal containers' and standards formulated are enclosed at [Annex C](#) (Page 15).

Members are requested to examine ISO standards vis-a-vis Indian standards and send their comments to BIS secretariat, if any so that Indian standards could be revised/harmonized on the basis of ISO standard. Comments, if any, will be tabled during the meeting for consideration of the committee.

The Committee may please note.

Item 6 DATE AND PLACE FOR THE NEXT MEETING

Item 7 ANY OTHER BUSINESS

ANNEX A*(Item 2)***COMPOSITION OF METAL CONTAINERS SECTIONAL COMMITTEE, PGD 38**12th Meeting – 24 November 2023, Virtual Meeting13th Meeting – 24 January 2024, Hybrid Meeting (New Delhi)14th Meeting – 09 September 2024, Virtual Meeting

Sl. No.	Name of the Organization	Representative Principal/Alternate/YP	Attendance			
			12 th	13 th	14 th	Total
1.	In Personal Capacity (Former Director, Indian Institute of Packaging)	Dr. N.C. Saha Chairperson	Y	Y	Y	3/3
2.	AJ Packaging Limited, Hyderabad	Mr. Nitin Agarwal	-	Y	N	1/2
		Mr. Parashuram Katekar				
3.	Akzo Nobel India Limited, Gurugram	Mr. Manoj Sharma	Y	Y	Y	3/3
		Mr. Swapan Bhandari				
4.	Asian Paints Limited, Mumbai	Mr. Navninder Singh	N	N	Y	1/3
		Ms. Shweta Tiwari				
5.	Balmer Lawrie & Co. Ltd., Mumbai	-	N	Y	Y	2/3
		Mr. Amit Mitra				
6.	Balmer Lawrie-Van Leer Ltd., Mumbai	Mr. Ganesh Salunke	N	N	Y	1/3
		Mr. K.K. Yadav				
7.	Ball Beverage Packaging (India) Private Limited, Bengaluru	Mr. Ganesh Netha	Y	Y	Y	3/3
8.	Canpack India Private Limited, Aurangabad	Mr. Swapnil Khese	N	N	Y	1/3
		Mr. Akshay Sudame				
		Mr. Anoop Kapadia				
9.	Caps and Containers, Mumbai	Mr. O.P. Agarwal	Y	Y	Y	3/3
		Ms. Manisha Agarwal				
10.	Cargill India Pvt. Ltd., Gurgaon	Mr. Sekhar Pal	Y	Y	Y	3/3
		Ms. Neha Parashar				
11.	Central Insecticide Laboratory, Faridabad	Dr. J.P. Singh	-	Y	N	1/2
		Dr. Brijesh Tripathi				
12.	Chemco Plastic Industries Pvt. Ltd., Mumbai	Mr. Gaurav Saraogi	Y	Y	Y	3/3
		Ms. Rupande Sampat				
13.	Coca-Cola India Private Limited, Gurugram	Mr. Virendra Landge	Y	Y	Y	3/3
		Ms. Nishtha Chauhan				
14.	Controllerate of Quality Assurance (GS), Kanpur	Mr. Ramesh Sharma	Y	Y	Y	2/3
		Mr. Banmali Behra				

Sl. No.	Name of the Organization	Representative Principal/Alternate/YP	Attendance			
			12 th	13 th	14 th	Total
15.	Dewdrop Bottles Private Limited, New Delhi	Mr. Atul Tulsian	-	-	Y	1/1
16.	DS Group, Noida	Mr. Sanjay Gupta	Y	N	Y	2/3
		Mr. Vikram Saini				
17.	East India Drums and Barrels Manufacturing Private Limited, Mumbai	Mr. Sujeet Kumar Pandey	-	-	Y	1/1
		Mr. Sunil M Patil				
18.	Hindustan Tin Works Ltd., New Delhi	Mr. Gajendra Singh	N	Y	Y	2/3
		Mr. R.K. Tyagi				
19.	Indian Oil Corp. Ltd, Mumbai	Mr. S. Marimuthu	N	Y	Y	2/3
		Mr. S. Sridhar				
		Ms. Rani Dixit				
20.	JJ Enterprises, New Delhi	Mr. Rahul Agrawal	-	Y	Y	2/2
		Mr. Rushil Agrawal				
		Ms. Bhanvi Agrawal				
21.	JSW Steel Coated Products, Mumbai	Mr. Ramanathan Balasubramanian	Y	Y	Y	3/3
		Mr. Chanchal Kumar Karmakar				
		Mr. Awadhesh Mishra				
22.	Kaira Can Company Ltd., Mumbai	Mr. Suresh Panchal	Y	Y	Y	3/3
		Mr. Hiren Shah				
23.	Metal Closures Private Limited, Bengaluru	<i>Nomination awaited</i>	-	-	-	0/0
24.	Ministry of Consumer Affairs, Food & Public Distribution, New Delhi	Mr. Ashutosh Agarwal	Y	Y	N	2/3
		Mr. MK. Naik				
25.	Nestle India Ltd., Gurgaon	Mr. Biswajit Basu	Y	N	N	1/3
26.	PPG Asian Paints Private Limited, Mumbai	Mr. Sanjay Ghemad	N	N	Y	1/3
		Mr. Ashish Borse				
27.	Recon Machine Tools Pvt. Ltd., Mumbai	Mr. P.A. Pai	Y	Y	Y	3/3
		Mr. Ashwin Pai				
28.	Shetron Ltd., Mumbai	Mr. Kartik Nayak	Y	Y	Y	3/3
		Mr. Nithin Kumar Shetty				
29.	Steel Drum Association of India, Mumbai	Mr. Manish N. Sheth	Y	Y	Y	3/3
		Mr. Hitesh R. Thacker				
30.	Technocraft Industries (India) Limited, Mumbai	Mr. Sunil Gupta	-	-	Y	1/1
31.	T&D Galiakot Containers Private Limited, Mumbai	Mr. Rajkumar Patel	-	-	Y	1/1

Sl. No.	Name of the Organization	Representative Principal/Alternate/YP	Attendance			
			12 th	13 th	14 th	Total
32.	The Tinsplate Co. of India Ltd., Jamshedpur	Dr. Sourajyoti Dey	Y	Y	Y	3/3
		Mr. Subrata Sadhu				
33.	Valspar (India) Coatings Corporation Private Limited, Bengaluru	Mr. Rajat Bhattacharjee	Y	Y	Y	3/3
		Mr. Manish Narain				

PGD 38/P1 'Open Top Cans'

S.N.	Organization	Representative
1	Hindustan Tin Works Limited, New Delhi (Convenor)	Mr. Rajeev Tyagi
2	Cargill India Pvt. Ltd., Gurgaon	Mr. Sekhar Pal
3	JSW Steel Coated Products, Mumbai	Mr. Chanchal Kumar Karmakar
4	Kaira Can Company Limited, Mumbai	Mr. K.M. Shenoy
5	Nestle India Limited, Gurgaon	Mr. Biswajit Basu
6	Shetron Limited, Mumbai	Mr. Kartik Nayak
7	The Tinsplate Company of India Limited, Jamshedpur	Mr. Subrata Sadhu
8	Valspar (India) Coatings Corporation Private Limited, Bengaluru	Mr. Rajat Bhattacharjee

PGD 38/P2 'Aluminium Container for Beverages'

S.N.	Organization	Representative
1	Coca-Cola India Private Limited, Gurugram (Convenor)	Mr. Virendra Landge
2	Akzo Nobel India Limited, Gurugram	Mr. Swapan Bhandari
3	Ball Beverage Packaging (India) Private Limited, Bengaluru	Mr. Ganesh Netha
4	Blossom Industries Limited, Daman	Mr. Raj Kumar Sharma
5	Canpack India Private Limited, Aurangabad	Mr. Swapnil Khese
6	Coca-Cola India Private Limited, Gurugram	Ms. Nishtha Chauhan
7	Hindalco Industries Limited, Mumbai	Mr. Gaurav Mahajan
8	Nestle India Limited, Gurgaon	Mr. Biswajit Basu
9	PPG Asian Paints Private Limited, Mumbai	Mr. Sanjay Ghemad
10	Valspar (India) Coatings Corporation Private Limited, Bengaluru	Mr. Rajat Bhattacharjee

PGD 38/P3 ‘Tinplate Conipails and Cylindrical Drums for Paint’

Scope: Formulation of new standard on conipails for paint and revision of related standards

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Asian Paints Limited, Mumbai (Convenor)	Mr. Navninder Singh
2	Chandra Container Manufacturers, Hyderabad	-
3	Hindustan Tin Works Limited, New Delhi	Mr. Rajeev Tyagi
4	JSW Steel Coated Products, Mumbai	Mr. Chanchal Karmakar
5	PPG Asian Paints Private Limited, Mumbai	Mr. Sanjay Ghemad
6	Shetron Limited, Mumbai	Mr. Kartik Nayak
7	The Tinplate Company of India Limited, Jamshedpur	Mr. Bablu Kumar Singh

PGD 38/P4 ‘Lacquer and Coating for Food Cans’

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Valspar (India) Coatings Corporation Private Limited, Bengaluru (Convenor)	Mr. Rajat Bhattacharjee
2	Akzo Nobel India Limited, Gurugram	Mr. Swapan Bhandari
3	Hindustan Tin Works Limited, New Delhi	Mr. Rajeev Tyagi
4	Kaira Can Company Limited, Mumbai	Mr. Suresh Panchal
5	Nestle India Limited, Gurgaon	Mr. Biswajit Basu
6	PPG Asian Paints Private Limited, Mumbai	Mr. Sanjay Ghemad
7	SGS India Private Limited, Mumbai	Mr. Kapil Patil
8	Shetron Limited, Mumbai	Mr. Kartik Nayak

PGD 38/P7 ‘Metal Drums and Closures’

Scope: a) Review the test requirement as per Cl 9.2.3 of IS 1783 (Part 1) and to recommend whether to retain the test for Grade A, Type 2 drums. b) Review the performance of the drums with the reduced thickness of 0.9 mm as per IS 1783 (Part 2) : 2014.

Timeline: 25 October 2024

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Controllerate of Quality Assurance (GS), Kanpur (Convenor)	Mr. Banmali Behera
2	Balmer Lawrie & Co. Ltd., Mumbai	Mr. Amit Mitra
3	Indian Oil Corp. Ltd, Mumbai	Mr. S Marimuthu
4	Steel Drum Association of India, Mumbai	Mr. Manish N. Sheth Mr. Hitesh R. Thacker
5	East India Drums and Barrels Manufacturing Private Limited, Mumbai	Mr. Sujeet Pandey
6	E-con Packaging Private Limited, Mumbai	Mr. Neil Thacker

PGD 38/WG1 ‘Edible oil tin’

Scope: Revision of IS 10325 : 2000 ‘Square tins — 15 kg/litre for ghee, vanaspati, edible oils and bakery shortenings — Specification (second revision)’

Tenure: 9 October 2024

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	JSW Steel Coated Products, Mumbai (Convenor)	Mr. B. Ramanathan
2	Cargill India Private Limited, Gurgaon	Ms. Neha Parashar
3	Gemini Edibles and Fats India Limited, Hyderabad	Mr. Anurag Kalra
4	JSW Steel Coated Products, Mumbai	Mr. Chanchal Karmakar
5	The Tinsplate Company of India Limited, Jamshedpur	Mr. Subrata Sadhu
		Mr. Balaram Sarkar

PGD 38/WG2 ‘Steel drums (below 150 l), bitumen drums and metal closures’

Scope: (a) Review the draft standards PGD 38(24487) ‘Metal closures for drums — Specification (second revision of IS 2474)’, PGD 38(24488) ‘Steel drums (galvanized and ungalvanized) — Specification (fourth revision of IS 2552)’, and PGD 38(24489) Bitumen drums — Specification (fourth revision of IS 3575). (b) Review IS 1784 : 2020 ‘Screwed closures for drums — Specification’. (c) Review IS 6941 : 1973 ‘Methods for sampling metal closures’.

Tenure: 25 October 2024

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1.	JSW Steel Coated Products, Mumbai (Convenor)	Mr. Chanchal Kumar Karmakar
2.	Balmer Lawrie-Van Leer Ltd., Mumbai	Mr. Ganesh Salunke
3.	Steel Drum Association of India, Mumbai	Mr. Manish N. Sheth
4.	Technocraft Industries (India) Limited, Mumbai	Mr. Sunil Gupta

PGD 38/WG3 ‘Stainless Steel Feeding Bottles’

Scope: To review the comments received on IS 18800 : 2023 Stainless steel feeding bottles for infants — Specification’

Tenure: 25 October 2024

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Chemco Plastic Industries Private Limited, Mumbai (Convenor)	Mr. Gaurav Saraogi

2	Dewdrop Enterprises	Mr. Atul Tulsian
3	Jindal Stainless (Hisar) Limited, Hisar	Mr. Narasimha Rao

PGD 38/WG4 ‘Composite Drums’

Scope: Prepare a working draft on ‘Composite drums’

Tenure: 10 January 2025

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Agarwal Packaging Private Limited, Pune (Convenor)	-
2	Balmer Lawrie & Co. Ltd., Mumbai	Mr. Amit Mitra
3	Dimple Drums and Barrels Private Limited, Mumbai	-
4	Steel Drum Association of India, Mumbai	-
5	Time Technoplast Limited, Mumbai	-

PGD 38/WG5 ‘Easy open ends’

Scope: Prepare a working draft on ‘Easy open ends’

Tenure: 10 January 2025

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	Easy Openends India Private Limited, Noida (Convenor)	Mr. S. Sreenatha
2	JSW Steel Coated Products, Mumbai	Mr. Ramanathan Balasubramanian
3	Tata Steel Limited, Jamshedpur	Mr. Subrata Sadhu

PGD 38/WG6 ‘Aerosol Containers’

Scope: Review of the standards on aerosol containers

Tenure: 10 January 2025

Composition:

<i>S.N.</i>	<i>Organization</i>	<i>Representative</i>
1	One Asia Network India Private Limited, Mumbai (Convenor)	Mr. Milind Vaidya
2	Bharat Containers (Nagpur) Private Limited, Mumbai	Mr. Hemant Kanoria

ANNEX B
(Item 4.1)

PGD 38 : Metal Containers Sectional Committee

Liaison : ISO/TC 52

Scope : Standardization in the field of metal containers

Standards Published		
S.No.	IS No. & Year	Title
1.	IS 916 : 2000	Square Tins for Solid Products — Specification (Fourth Revision)
2.	IS 1394 : 1984	Glossary of terms relating to metal containers (Third Revision)
3.	IS 1406 : 1995	Rectangular Tins for Liquids — Specification (Fourth Revision)
4.	IS 1407 : 1980	Specification for Round Paint Tins (Third Revision)
5.	IS 1783 (Part 1) : 2014	Drums Large, Fixed Ends — Specification: Part 1 Grade A Drums (Fourth Revision)
6.	IS 1783 (Part 2) : 2014	Drums Large, Fixed Ends — Specification: Part 2 Grade B Drums (Fourth Revision)
7.	IS 1784 : 2020	Screwed Closures for Drums — Specification (Fourth Revision)
8.	IS 1994 : 1987	Specification for Crown Closures (Second Revision)
9.	IS 2034 : 2012	Round Open Top Sanitary Cans for Butter and Cheese — Specification (Second Revision)
10.	IS 2087 : 1988	Specification for Square Tins for General Purposes (Third Revision)
11.	IS 2123 : 1977	Specification for Vial (Goldie) Seals (First Revision)
12.	IS 2134 : 1981	Specification for Round Tins for General Purposes (Second Revision)
13.	IS 2471 : 1963	Methods of Test for Metal Containers
14.	IS 2474 : 1982	Specification for Metal Closures For Drums (First Revision)
15.	IS 2552 : 1989	Steel Drums (Galvanized and Ungalvanized) — Specification (Third Revision)
16.	IS 3101 : 1995	Aluminium Collapsible Tubes — Specification (Second Revision)
17.	IS 3259 : 1966	Methods of Sampling of Metal Containers
18.	IS 3286 : 1980	Specification for Round Grease Tins (First Revision)

19. IS 3575 : 1993 Bitumen Drums — Specification (Third Revision)
20. IS 3603 : 1988 Specification for Seamless Aluminium Bottles (First Revision)
21. IS 3680 : 1987 Specification for Round Printing Ink Containers (First Revision)
22. IS 4638 : 1981 Specification for Seamless Rectangular Fish Tins (First Revision)
23. IS 5241 : 1987 Specification for Shoe Polish Containers (First Revision)
24. IS 5682 : 1991 Open Top Drums and Kegs — Specification (Second Revision)
25. IS 6941 : 1973 Method for Sampling Metal Closures
26. IS 7182 : 1973 Methods of Tests for Aluminium Collapsible Tubes
27. IS 7852 : 1975 Specification for Eye Ointment Tubes, Small
28. IS 8393 : 1977 Specification for Roll Seal Pilferproof Closures
29. IS 8449 : 1999 Non-Returnable Metal Aerosol Dispensers — Specification (First Revision)
30. IS 8469 : 1977 Methods of Tests for Flammability of Aerosol Products
31. IS 8932 : 1978 Specification for Preformed Metal Screw Caps for Glass Containers
32. IS 8933 : 1978 Specification for Mess Tins
33. IS 8996 : 1988 Specification for 20-Litre Steel Jerricans (First Revision)
34. IS 9209 : 1979 Methods of Test for the Compatibility of Aerosol Products with the Metal Aerosol Dispensers
35. IS 9396 (Part 1) : 1987 Specification for Round Open Top Sanitary Cans for Foods and Drinks: Part 1 Tinplate (First Revision)
36. IS 9396 (Part 2) : 2012 Round Open Top Sanitary Cans for Foods and Drink — Specification: Part 2 Sizes and General Requirements (Second Revision)
37. IS 9445 : 1980 Specification for Aluminium Containers for Packing of Liquid Pesticides (Capacity 5 Litres and Above)
38. IS 9503 : 1988 Specification for Aluminium Bottles for Liquid Pesticides (First Revision)
39. IS 9634 : 1980 Specification for Aerosol Valves – 25.4 mm Diameter
40. IS 9635 : 1980 Methods for Sampling of Aerosol Valves
41. IS 9976 : 1981 Method of Sampling of Open Top Sanitary (OTS) Cans

42.	IS 9991 : 1981	Specification for Condensed Milk Cans
43.	IS 9992 : 1991	Round and Rectangular Tinplate Cans for Liquid Pesticides — Specification (First Revision)
44.	IS 10325 : 2000	Square Tins — 15 kg/litre for Ghee, Vanaspati, Edible Oils and Bakery Shortenings — Specification (Second Revision)
45.	IS 10339 : 2000	Ghee, Vanaspati, Edible Oil Tins Up to 10 kg/litre Capacity — Specification (Second Revision)
46.	IS 11078 : 2012	Round Open Top Sanitary Cans for Milk Powder — Specification (Second Revision)
47.	IS 11079 : 1984	Specification for Metal Cans for Pan Masala and Zarda
48.	IS 11104 : 2012	Glossary of Terms Relating to Open Top Sanitary Cans (First Revision)
49.	IS 12219 : 1987	Methods of Determination of Gross - Lidded Capacity of Open Top Sanitary Cans
50.	IS 12340 : 1988	Specification for Round Top Aluminium Containers for Liquid Pesticides
51.	IS 13997 : 2014	Drums, Large Open Top — Specification (First Revision)
52.	IS 14407 : 2023	Aluminium Cans for Beverages — Specification
53.	IS 18285 : 2023	Aluminium Cans for Packaged Natural Mineral Water and Packaged Drinking Water — Specification
54.	IS 18800 : 2023	Stainless Steel Feeding Bottle for Infants — Specification
55.	IS 18317 : 2024	Lacquers and decorative finishes for three piece round open top metal cans for foods and beverages — Specification
56.	IS 18427 : 2024	Three piece round open top metal cans for foods and beverages — Specification

Standards Under Development

Preliminary Draft Standards

Sno.	Doc No.	Title
------	---------	-------

Draft Standards in WC Stage

Sno.	Doc No.	Title
------	---------	-------

Draft Standards Completed WC Stage

Sno.	Doc No.	Title
------	---------	-------

- | | | |
|----|---------------|---|
| 1. | PGD 38(24487) | Metal closures for drums — Specification (second revision of IS 2474) |
|----|---------------|---|

2. PGD 38(24488) Steel drums (galvanized and ungalvanized) — Specification (fourth revision of IS 2552)
3. PGD 38(24489) Bitumen drums — Specification (fourth revision of IS 3575)

Finalized Draft Indian Standard

Sno.	Doc No.	Title
-------------	----------------	--------------

Finalized Draft Indian Standards under Print

Sno.	Doc No.	Title
-------------	----------------	--------------

Total Published Standards: 56

Total Standards Under Development: 3

Aspect Wise Report

Standards Published

Product :	46
Code of Practices :	3
Method of Test :	5
Terminology :	2
Dimensions :	0
System Standard :	0
Safety Standard :	0
Others :	0

Total : 56

ANNEX C
(Item 5)

LIST OF STANDARDS PUBLISHED BY ISO/TC 52

S.N.	Title
1	<u>ISO 90-1:1997</u> Light gauge metal containers -- Definitions and determination of dimensions and capacities -- Part 1: Open-top cans
2	<u>ISO 90-2:1997</u> Light gauge metal containers -- Definitions and determination of dimensions and capacities -- Part 2: General use containers
3	<u>ISO 90-3:2000</u> Light gauge metal containers -- Definitions and determination of dimensions and capacities -- Part 3: Aerosol cans
4	<u>ISO 5099:2022</u> Light gauge metal containers — Easy-open ends and peel-off ends — Classification and dimensions
5	<u>ISO 10653:1993</u> Light-gauge metal containers -- Round open-top cans -- Cans defined by their nominal gross lidded capacities
6	<u>ISO 10654:1993</u> Light-gauge metal containers -- Round open-top cans -- Cans for liquid products with added gas, defined by their nominal filling volumes
7	<u>ISO/TR 11761:1992</u> Light-gauge metal containers -- Round open-top cans -- Classification of can sizes by construction type
8	<u>ISO/TR 11762:1992</u> Light-gauge metal containers -- Round open-top cans for liquid products with added gas -- Classification of can sizes by construction type
9	<u>ISO/TS 21985:2022</u> Light gauge metal containers — Non-refillable LPG cartridges — General requirements
10	<u>ISO 24021-1:2022</u> Light gauge metal containers — Vocabulary and classification — Part 1: Open-top cans and ends
11	<u>ISO 24021-2:2024</u> Light gauge metal containers — Vocabulary and classification — Part 2: General cans