

BUREAU OF INDIAN STANDARDS

Program of Work

MED 23 : Domestic And Commercial Gas Burning Appliances

Scope: Domestic and commercial gas burning appliances (pressure type) such as gas stoves, oven, cooking ranges and water heaters, including gobar gas stoves

Liaison: **ISO TC-161 (O): Controls and protective devices for gaseous and liquid fuels**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11241 : 1985 Reviewed In : 2021	Specification for portable liquefied petroleum gas appliances operating at vapour pressure	September, 2021	2	Indigenous
2	IS 11480 : 1998 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for domestic grillers for use with liquefied petroleum gases	July, 2018	1	Indigenous
3	IS 11480 : 2023	DOMESTIC GRILLERS FOR USE WITH LIQUEFIED PETROLEUM GASES SPECIFICATION First Revision of IS 11480		-	Indigenous
4	IS 12011 : 2022	CODE OF SAFETY PRACTICE FOR DOMESTIC LPG INSTALLATION First Revision		-	Indigenous
5	IS 12012 : 2022	GAS TAPS WITH OR WITHOUT FLAME FAILURE DEVICE FOR DOMESTIC AND COMMERCIAL LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SPECIFICATION (Second Revision of IS 12012)		-	Indigenous
6	IS 13432 : 2003	MECHANICAL TYPE GAS LEAK DETECTOR FOR USE WITH LOW PRESSURE LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SPECIFICATION		-	Indigenous
7	IS 13432 (Part 1) : 1992 Reviewed In : 2018 Reaffirmed but not taken up for revision	Gas leak detector for use with low pressure liquefied petroleum gas burning appliances : Part 1 mechanical type	July, 2018	1	Indigenous
8	IS 14612 : 1999 Reviewed In : 2023	Commercial burners using LPG at inlet pressure up to 147.1 k - N/m ² (1500 Gf/cm ²) - Specification	July, 2023	-	Indigenous

9	IS 15558 : 2005 Reviewed In : 2020	Mini domestic water heater for use with LPG - Specification	September, 2020	4	Indigenous
10	IS 16093 : 2013 Reviewed In : 2023	Installation of gas based instantaneous water heater - Code of practice	December, 2023	-	Indigenous
11	IS 17150 : 2019	Mini domestic water heater for use with piped natural gas (PNG) ? specification		3	Indigenous
12	IS 17153 : 2019	Domestic gas stoves for use with piped natural gas (PNG) - Specification		2	Indigenous
13	IS 17813 : 2022	Multi Layer (Polyethylene-Stainless Steel) Stainless Steel Pliable Corrugated Gas Tubing Kits in Buildings (Indoor and Outdoor) with an Operating Pressure up to 5 kg/cm ² (â€‰5 barâ€‰) â€‰ Specification		-	Indigenous
14	IS 17814 : 2022	Corrugated Metal Flexible Safety Gas Hose Assemblies Specification		-	Indigenous
15	IS/ISO 22702 : 2018 ISO 22702:2018 Reaffirmed but not taken up for revision ISO 22702:2018	Utility lighters Safety specifications First Revision		-	Identical under single numbering
16	IS 4246 : 2002 EN 30 Reviewed In : 2023	Domestic gas stoves for use with liquefied petroleum gases - Specification (Fifth Revision)	July, 2023	5	Indigenous
17	IS 4473 : 2002 EN 30 Reviewed In : 2023	Domestic gas ovens for use with liquefied petroleum gases - Specification (First Revision)	July, 2023	2	Indigenous
18	IS 4760 : 2002 EN 30 Reviewed In : 2023	Domestic cooking ranges including grillers for use with liquefied petroleum gases - Specification (Third Revision)	July, 2023	1	Indigenous
19	IS 5115 : 2022	DOMESTIC STORAGE TYPE WATER HEATERS FOR USE WITH LPG SPECIFICATION First Revision		-	Indigenous
20	IS 5116 : 2020	Domestic and Commercial Equipment for Use with LPG — General Requirements (Fourth Revision)	-	1	Indigenous
21	IS 5117 : 2023	COMMERCIAL BURNING BURNERS FOR USE WITH LPG SPECIFICATION Second Revision of IS 5117		-	Indigenous
22	IS 5543 : 2023	BAINS MARIE FOR USE WITH LPG SPECIFICATION First Revision of IS 5543		-	Indigenous
23	IS 5544 : 2023	HOT FOOD CABINETS FOR USE WITH LPG SPECIFICATION First Revision of IS 5544		-	Indigenous
24	IS 5776 : 2023	BULK WATER HEATER FOR USE WITH LPG SPECIFICATION (Second Revision)		-	Indigenous

25	IS 5777 : 2022	FRYERS FOR USE WITH LPG SPECIFICATION First Revision		-	Indigenous
26	IS 6480 : 2022	TERMS RELATING TO DOMESTIC AND COMMERCIAL GAS BURNING APPLIANCES - Glossary		-	Indigenous
27	IS 7342 : 2022	COMMERCIAL GAS BAKING AND ROASTING OVEN - SPECIFICATION First Revision of IS 7342		-	Indigenous
28	IS 8251 : 1976 Reviewed In : 2020	Specification for commercial cooking ranges including grillers for use with liquefied petroleum gases	September, 2020	-	Indigenous
29	IS 8749 : 2002 Reviewed In : 2023	Biogas stove - Specification (Second Revision)	July, 2023	1	Indigenous
30	IS/ISO 9994 : 2018 ISO 9994:2018 ISO 9994:2018	Lighters Safety specifications First Revision		-	Identical under single numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MED 23 (26038)	DOMESTIC GAS STOVES WITH CERAMIC BURNER FOR USE WITH LIQUEFIED PETROLEUM GASES SPECIFICATION
2	MED 23 (26169) Revision of: IS 17153:2019	DOMESTIC GAS STOVES AND BUILT IN HOB FOR USE WITH PNG SPECIFICATION First Revision of IS 17153

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MED 23 (25833) Revision of: IS 17153:2019	DOMESTIC GAS STOVES AND BUILT IN HOB FOR USE WITH LPG SPECIFICATION Sixth Revision of IS 4246

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MED 23 (18821) Revision of: IS 8749:2002	Biogas Stove Specification Third Revision
2	MED 23 (19438) Revision	INSTANTANEOUS DOMESTIC WATER HEATER FOR USE WITH LPG SPECIFICATION

	of: IS 15558:2005	First Revision of IS 15558
3	MED 23 (23770)	PIEZOELECTRIC SPARK LIGHTER FOR GAS BURNING APPLIANCES SPECIFICATION
4	MED 23 (24619) Revision of: IS 14612:1999	COMMERCIAL COOKING RANGES INCLUDING GRILLERS FOR USE WITH LIQUEFIED PETROLEUM GASES SPECIFICATION
5	MED 23 (24642) Revision of: IS 11241:1985	Portable Liquefied Petroleum Gas Appliances Operating at Vapour Pressure - Specification

Total Published Standards:29 Total Standards Under development:8

Aspect Wise Report

Product : 23
Code of Practices : 3
Methods of Test : 1
Terminology : 1
Dimensions : 0
System Standard : 0
Safety Standard : 1
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13432 (Part 2) : 1998 Reviewed In : 2018	Gas Leak Indicator for Use with Low Pressure Liquefied Petroleum Gas Burning Appliances - Part 2 Electronic type

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11241 : 1985 Reviewed In : 2021	Specification for portable liquefied petroleum gas appliances operating at vapour pressure
2	IS 11480 : 2023	DOMESTIC GRILLERS FOR USE WITH LIQUEFIED PETROLEUM GASES SPECIFICATION First Revision of IS 11480
3	IS 12012 : 2022	GAS TAPS WITH OR WITHOUT FLAME FAILURE DEVICE FOR DOMESTIC AND COMMERCIAL LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SPECIFICATION Second Revision of IS 12012
4	IS 13432 : 2003	MECHANICAL TYPE GAS LEAK DETECTOR FOR USE WITH LOW PRESSURE LIQUEFIED PETROLEUM GAS BURNING APPLIANCES SPECIFICATION
5	IS 14612 : 1999 Reviewed In : 2023	Commercial burners using LPG at inlet pressure up to 147 k - N m ² 1500 Gf cm ² - Specification
6	IS 15558 : 2005 Reviewed In : 2020	Mini domestic water heater for use with LPG - Specification
7	IS 17150 : 2019	Mini domestic water heater for use with piped natural gas PNG specification
8	IS 17153 : 2019	Domestic gas stoves for use with piped natural gas PNG - Specification
9	IS 17813 : 2022 ISO 27025: 2010	Multi Layer Polyethylene-Stainless Steel Stainless Steel Pliable Corrugated Gas Tubing Kits in Buildings Indoor and Outdoor with an Operating Pressure up to 5 kg cm 5 bar Specification
10	IS 17814 : 2022 ISO 10789:2011	Corrugated Metal Flexible Safety Gas Hose Assemblies Specification
11	IS/ISO 22702 : 2018 ISO 22702:2018	Utility lighters Safety specifications First Revision

	Reaffirmed but not taken up for revision	
12	IS 4246 : 2002 EN 30 Reviewed In : 2023	Domestic gas stoves for use with liquefied petroleum gases - Specification Fifth Revision
13	IS 4473 : 2002 EN 30 Reviewed In : 2023	Domestic gas ovens for use with liquefied petroleum gases - Specification First Revision
14	IS 5115 : 2022 ISO 12297-2 : 2018	DOMESTIC STORAGE TYPE WATER HEATERS FOR USE WITH LPG SPECIFICATION First Revision
15	IS 5116 : 2020	Domestic and Commercial Equipment for Use with LPG General Requirements Fourth Revision
16	IS 5117 : 2023	COMMERCIAL BURNING BURNERS FOR USE WITH LPG SPECIFICATION Second Revision of IS 5117
17	IS 5543 : 2023	BAINS MARIE FOR USE WITH LPG SPECIFICATION First Revision of IS 5543
18	IS 5544 : 2023	HOT FOOD CABINETS FOR USE WITH LPG SPECIFICATION First Revision of IS 5544
19	IS 5776 : 2023	BULK WATER HEATER FOR USE WITH LPG SPECIFICATION Second Revision
20	IS 5777 : 2022 IEC 60601-1-9:2020	FRYERS FOR USE WITH LPG SPECIFICATION First Revision
21	IS 7342 : 2022	COMMERCIAL GAS BAKING AND ROASTING OVEN - SPECIFICATION First Revision of IS 7342
22	IS 8749 : 2002 Reviewed In : 2023	Biogas stove - Specification Second Revision
23	IS/ISO 9994 : 2018 ISO 9994:2018	Lighters Safety specifications First Revision