

BUREAU OF INDIAN STANDARDS

Program of Work

MED 16 : Gas Cylinders

Scope: Formulation of standards on gas cylinders for permanent, high pressure liquefiable low pressure liquefiable and dissolved gases; fittings of gas cylinder, namely valve fittings, pressure regulators; pipelines conveying gases; identification colours of gas cylinders; acetylene generators; filling ratios and developed pressures for different gases.

Liaison: **TC-185 (O):** *Safety devices for protection against excessive pressure* **TC-220 (O):** *Cryogenic vessels* **TC-4 (P):** *Rolling bearings* **TC-58 (P):** *Gas cylinders* **TC-58 SC-2 (P):** *Cylinder fittings* **TC-58 SC-3 (P):** *Cylinder design* **TC-58 SC-4 (P):** *Operational requirements for gas cylinders* **ISO TC-58 (P):** *Vocabulary* **ISO TC-58 (P):** *Vocabulary*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11006:2011	Flash back arrestor (Flame Arrestor) - Specification (First Revision)	November, 2021	-	Indigenous
2	IS/ISO 11114-1:2020 ISO 11114-1:2020 ISO 11114-1:2020	Gas Cylinders - Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic Materials (First Revision) Amendment - 1	December, 2024	1	Identical under single numbering
3	IS/ISO 11114-3:2010 ISO 11114-3 : 2010 ISO 11114 : Part 3 : 2010	Gas cylinders - Compatibility of cylinder and valve materials with gas contents: Part 3 autogenous ignition test for non - Metallic materials in oxygen atmosphere	November, 2021	-	Identical under single numbering
4	IS/ISO 11114-4:2017 IS/ISO 11114-4 : 2017 ISO 11114 Part 4 : 2	Transportable Gas Cylinders — Compatibility of Cylinder and Valve Materials with Gas Contents Part 4 Test Methods for Selecting Steels Resistant to Hydrogen Embrittlement (First Revision)	April, 2025	-	Identical under single numbering
5	IS/ISO 11114-2:2021 ISO 11114-2 : 2021 ISO 11114-2 : 2021	GAS CYLINDERS - COMPATIBILITY OF CYLINDER AND VALVE MATERIALS WITH GAS CONTENTS: PART 2 NON-METALLIC MATERIALS (Second Revision)		-	Identical under single numbering
6	IS/ISO 11119-1:2020 ISO 11119-1 : 2020 ISO 11119-1 : 2020	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE		-	Identical under single numbering

		REINFORCED COMPOSITE GAS CYLINDERS AND TUBES UP TO 450 LITRES			
7	IS/ISO 11119-2:2020 ISO 11119-2 : 2020 ISO 11119-2 : 2020	Gas Cylinders i_c ½ Design, Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Load-Sharing Metal Liners		-	Identical under single numbering
8	IS/ISO 11119-3:2020 ISO 11119-3 : 2020 ISO 11119-3 : 2020	Gas Cylinders i_c ½ Design, Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 3 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Non-load-sharing Metallic or Non-metallic Liners or without Liners		-	Identical under single numbering
9	IS/ISO 11120:2015 ISO 11120 : 2015 ISO 11120 : 2015	GAS CYLINDERS REFILLABLE SEAMLESS STEEL TUBES OF WATER CAPACITY BETWEEN 150 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING		-	Identical under single numbering
10	IS/ISO 11515:2022 ISO 11515 : 2022 ISO 11515 : 2022	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER CAPACITY BETWEEN 450 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING		-	Identical under single numbering
11	IS 12300:2024	Gas Cylinder Valves for Small Refrigerant Cylinders -Specification (First Revision)		1	Indigenous
12	IS 12586:2021	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification		-	Indigenous
13	IS 12936:2017	Basic requirements for delivery persons engaged in the delivery of LPG cylinders - Code of practice (First Revision)	July, 2022	-	Indigenous
14	IS 13258:2014	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gas - Requirements for inspection and reconditioning of used lpg cylinders (First Revision)	March, 2024	1	Indigenous
15	IS 13497:2017	Fusible plug for dissolved acetylene gas cylinder - Specification (First Revision)	July, 2022	-	Indigenous
16	IS/ISO 13985:2006 ISO 13985 : 2006	Liquid hydrogen - Land vehicle fuel tanks	November, 2021	-	Identical under single numbering
17	IS 14899:2014 ISO 20826 : 2006	Liquefied petroleum gas (LPG) containers for automotive use - Specification (First Revision) Amendment - 1	April, 2025	1	Not Equivalent
18	IS 15100:2018	Multi - Function valve assembly for permanently fixed liquefied	March, 2023	-	Not Equivalent

	UN Regulation No. 67, AS/NZS 1425, IEC 68-2-52, ISO 1817	petroleum gas (LPG) containers for automotive use - Specification (First Revision)			
19	IS 15190 (Part 1):2002 IGC Document No. 9/78/E), CGA. 1.3	Acetylene pipelines - Code of practice: Part 1 for pressures up to 155 kPa (G)	October, 2022	-	Not Equivalent
20	IS 15190 (Part 2):2002 IGC Document No. 9/78/E), CGA. 1.4	Acetylene pipelines - Code of practice: Part 2 for pressures from 155 kPa (G) to 2550 kPa (G)	October, 2022	-	Not Equivalent
21	IS 15490:2017 ISO 11439 : 2013, ISO 9809-1 : 2010	Seamless steel cylinders for on - Board storage of compressed natural gas as a fuel for automotive vehicles - Specification (First Revision)	March, 2022	1	Not Equivalent
22	IS 15637:2006 AS 2469, AS 2470, EN 14140	Welded stainless steel cylinders for liquefied petroleum gases (LPG) from 0.5 litre to 250 litre water capacity - Specification	May, 2025	1	Not Equivalent
23	IS 15660:2017 ISO 7866 : 2012	Refillable transportable seamless aluminium alloy gas cylinders - Specification (First Revision)	March, 2022	2	Not Equivalent
24	IS 15894:2018	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 in 16 on diameter - Specification (First Revision)	January, 2024	1	Indigenous
25	IS 15935:2021	Composite Cylinders for On-Board Storage of Compressed Natural Gas (CNG) as a Fuel for Automotive Vehicle - Specification (First Revision)		-	Indigenous
26	IS 15966:2013 ISO 10691 : 2004	Refillable welded steel cylinder for liquefied petroleum gas (LPG) - Procedure for checking before, during and after filling	October, 2022	-	Not Equivalent
27	IS 15975:2020	Gas Cylinders — Conditions for Filling Gas Cylinders (First Revision)	December, 2024	1	Indigenous
28	IS 16017:2024 ISO 18119 : 2018	Transportable Gas Cylinders “ Periodic Inspection and Testing of Seamless Aluminium Alloy Gas Cylinders (First Revision)		-	Not Equivalent
29	IS 16050:2020 ISO 24431 : 2016	Gas Cylinders — Seamless, Welded and Composite Cylinders for Compressed and Liquefied Gases (Excluding Acetylene) — Inspection at Time of Filling (First Revision)	May, 2025	-	Indigenous
30	IS 16054:2013 ISO 10464:2004	Periodic inspection and testing - Welded low carbon steel cylinders exceeding 5 - Litre water capacity for liquified petroleum gas (Lpg) - Code of practice	January, 2024	-	Not Equivalent
31	IS 16175:2014	Periodic inspection and requalification - Liquefied petroleum gas (LPG) cylinders for	January, 2024	-	Indigenous

		automotive use - Code of practice			
32	IS 16185:2014 ISO 10460 : 2005	Periodic inspection and testing - Welded carbon steel gas cylinders - Code of practice	January, 2024	-	Not Equivalent
33	IS 16271:2014 ISO 11372 : 2011	Dissolved acetylene gas cylinders - Inspection at time of filling - Code of practice	January, 2024	-	Not Equivalent
34	IS 16280:2021	High Pressure Regulators and Adaptors for Use with Liquefied Petroleum Gases (LPG) — Specification (First Revision)		-	Indigenous
35	IS 16299:2014	Periodic inspection and requalification - High pressure steel cylinders for the on - Board storage of compressed natural gas as a fuel for automotive vehicles, cylinders for hcong blends and cng cascade cylinders - Code of practice	January, 2024	-	Indigenous
36	IS 16484:2017 ISO 15995:2006, EN 13175:2003, ANSI/CGA V-1	Liquid off - Take valve fitting to gas cylinders or tanks (Mobile Or Static) for liquid petroleum gas (LPG) - Specification	March, 2022	1	Not Equivalent
37	IS 16485:2020 ISO 16852 : 2016	Flame Arresters — Performance Requirements, Test Methods and Limits for Use (First Revision)	December, 2024	-	Indigenous
38	IS 16507:2017	Transportable gas cylinders cascade - Specification	March, 2022	-	Indigenous
39	IS 16646:2017 ISO 11119-3 : 2013	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gas (LPG) - Specification	March, 2022	-	Not Equivalent
40	IS 16735:2018 ISO/TS 15869:2009	Cylinders for on - Board Storage of Compressed Gaseous Hydrogen and Hydrogen Blends as a Fuel for Automotive Vehicles - Specification	February, 2024	-	Not Equivalent
41	IS 16742:2018 ISO 12991 : 2012 ISO 12991:2012	Liquefied natural gas (LNG) - Tanks for on - Board storage as a fuel for automotive vehicles	December, 2023	-	Identical under dual numbering
42	IS 16988:2018	Compressed natural gas cylinder valve integrated with solenoid operation (Remotely Controlled) for automotive use - Specification	March, 2024	2	Indigenous
43	IS 17613:2025 ISO 20703:2006	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING First Revision of IS 17613		-	Not Equivalent
44	IS 18272:2023	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices $i_c^{1/2}$ Specification		-	Indigenous
45	IS 18608:2024	CRYOGENIC VESSELS $i_c^{1/2}$ VALVES FOR CRYOGENIC VESSELS		-	Indigenous

46	IS 18719 (Part 1):2024 IS 18719 (Part 1): 2024/ ISO 21029-1: 2018 IS 18719 (Part 1): 2024/ ISO 21029-1: 2018	Cryogenic Vessels $\dot{i}_L^{1/2}$ Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design, Fabrication, Inspection and Tests		-	Identical under dual numbering
47	IS 18719 (Part 2):2024 ISO 21029-2 : 2015	Cryogenic Vessels $\dot{i}_L^{1/2}$ Transportable Vacuum Insulated Vessels of not more than 1 000 Litres Part 2 Operational Requirements		-	Not Equivalent
48	IS 19060 (Part 1):2024 ISO 20421-1 : 2019	CRYOGENIC VESSELS - LARGE TRANSPORTABLE VACUUM-INSULATED VESSELS PART 1 DESIGN FABRICATION INSPECTION AND TESTING (Modified Adoption of ISO 20421-1)		-	Modified/Technically Equivalent
49	IS 19138:2025	Welded Low Carbon Steel Containers above 250 Litre and not Exceeding 1 000 Litre Water Capacity for the Transport of LPG $\dot{i}_L^{1/2}$ Specification		-	Indigenous
50	IS 3196 (Part 2):2006 ISO/CD 4706-1	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases: Part 2 cylinders for liquefiable non - Toxic gases other than lpg - Specification (First Revision)	May, 2025	3	Not Equivalent
51	IS 3196 (Part 3):2012 ISO 22991:2004	Welded low carbon steel cylinder exceeding 5 litre water capacity for low pressure liquefiable gases: Part 3 methods of test (Fifth Revision)	October, 2022	2	Not Equivalent
52	IS 3196 (Part 4):2001	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases - Specification: Part 4 cylinders for toxic and corrosive gases	November, 2021	2	Indigenous
53	IS 3196 (Part 1):2013 ISO 22991 : 2004	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases: Part 1 cylinders for liquefied petroleum gases (Lpg) - Specification (Sixth Revision)	March, 2024	4	Not Equivalent
54	IS 3224:2021 10297:2014	Valve for compressed gas cylinders excluding liquefied petroleum gas (LPG) cylinders - Specification (fourth revision)		2	Not Equivalent
55	IS 3710:1978 BS 1736 AND BS 5355	Filling ratios for low pressure liquefiable gases contained in cylinders (First Revision)	March, 2020	-	Not Equivalent
56	IS 3745:2024	Yoke Type Medical Cylinder Valve with Pin Index Connection (Third Revision)		-	Indigenous
57	IS 3933:2021 32:1977	Colour Identification of Gas Cylinders and Related Equipment Intended for Medical Use (First		-	Not Equivalent

		Revision)			
58	IS 4152:2011 ISO 3500 : 2005	Seamless carbon dioxide cylinders for fire fighting purposes on boardship - Specification (Third Revision)	November, 2021	-	Not Equivalent
59	IS 4379:2021	Identification of the Contents of Industrial Gas Cylinders (Second Revision) Amendment - 1		1	Indigenous
60	IS 4379:2021	Identification of the Contents of Industrial Gas Cylinders (Second Revision) Amendment - 1		1	Indigenous
61	IS 5844:2014	Hydrostatic stretch testing of compressed gas cylinders - Recommendations (First Revision)	January, 2024	-	Indigenous
62	IS 5845:2024	Inspection of Low Pressure Welded Steel Gas Cylinders Other than LPG Cylinders in Use " Code of Practice (Third Revision)		-	Indigenous
63	IS 5903:2025	Types of Safety Device for Gas Cylinders and Gas Cylinder Valves (Second Revision)		-	Indigenous
64	IS 6044 (Part 2):2021	LIQUEFIED PETROLEUM GAS STORAGE INSTALLATIONS CODE OF PRACTICE PART 2 COMMERCIAL INDUSTRIAL AND DOMESTIC BULK STORAGE INSTALLATIONS		-	Indigenous
65	IS 6044 (Part 1):2018	Liquefied petroleum gas storage installations - Code of practice: Part 1 residential, commercial and industrial cylinder installations (Third Revision)	January, 2024	1	Indigenous
66	IS 7142:2025	Welded Low Carbon Steel Cylinders for Low Pressure Liquefiable Gases not exceeding 5 Litre Water Capacity - Specification (Second Revision)		-	Indigenous
67	IS 7202:2017	Inspection gauges for checking type 4 (Size 1, 2, 3) taper threads of gas cylinder valves and cylinder necks - Specification (First Revision)	October, 2022	-	Indigenous
68	IS 7241:2024	Gas Cylinder Technology " Glossary of Terms (Second Revision)		-	Indigenous
69	IS 7285 (Part 1):2018	Refillable seamless steel gas cylinders - Specification: Part 1 normalized steel cylinders (Fourth Revision)	October, 2022	2	Indigenous
70	IS 7285 (Part 2):2017 ISO 9809-1	Refillable seamless steel gas cylinders - Specification: Part 2 quenched and tempered steel cylinders with tensile strength less than 1 100 mpa (112 Kgf/mm ²) (Fourth Revision)	October, 2022	1	Not Equivalent
71	IS 7302:2018 ISO 13341	Valve fittings for self contained breathing apparatus (SCBA) and self contained underwater breathing apparatus (SCUBA) -	October, 2022	1	Not Equivalent

		Specification (First Revision)			
72	IS 7312:2018 ISO 3807 : 2013	Welded and seamless steel dissolved acetylene gas cylinders - Specification (Third Revision)	March, 2024	1	Not Equivalent
73	IS 8198 (Part 6):2025	STEEL CYLINDERS FOR COMPRESSED GASES - CODE OF PRACTICE PART 6 LIQUEFIED CHLORINE GAS (Second Revision)		-	Indigenous
74	IS 8198 (Part 11):2024	Steel Cylinders for Compressed Gases " Code of Practice Part 11 Methyl Chloride Gas (Second Revision)		-	Indigenous
75	IS 8198 (Part 5):2022	CODE OF PRACTICE FOR STEEL CYLINDERS FOR COMPRESSED GASES PART 5: LIQUEFIED PETROLEUM GAS LPG		-	Indigenous
76	IS 8198 (Part 7):2024	Steel Cylinders for Compressed Gases "½ Code of Practice Part 7 Ammonia Gas (Second Revision)		-	Indigenous
77	IS 8198 (Part 9):2024	Steel Cylinders for Compressed Gases "½ Code of Practice Part 9 Sulphur Dioxide Gas (Second Revision)		-	Indigenous
78	IS 8198 (Part 12):2024	Steel Cylinders for Compressed Gases "½ Code of Practice Part 12 Gases for Medical Use (First Revision)		-	Indigenous
79	IS 8198:2004	Steel cylinders for compressed gases (Atmospheric gases, hydrogen, high pressure liquefiable gases and dissolved acetylene gases) - Code of practice	March, 2024	-	Indigenous
80	IS 8198 (Part 8):2024	Steel Cylinders for Compressed Gases "½ Code of Practice Part 8 Common Organic Refrigerant Gases (Second Revision)		-	Indigenous
81	IS 8198 (Part 10):2024	Steel Cylinders for Compressed Gases "½ Code of Practice Part 10 Methyl Bromide Gas (First Revision)		-	Indigenous
82	IS 8433:2017 CGA - C6	Periodic inspection and maintenance of dissolved acetylene gas cylinders - Code of practice (Second Revision)	November, 2021	-	Not Equivalent
83	IS 8451:2018 ISO 6406 : 2005	Periodic inspection and testing of seamless steel gas cylinders - Code of practice (Third Revision)	January, 2024	-	Not Equivalent
84	IS 8452:1977	Glossary of terms used in acetylene generators	November, 2021	-	Indigenous
85	IS 8471:2003	Acetylene generators - Requirements (First Revision)	March, 2024	1	Indigenous
86	IS 8737:2017 NONE ISO 14245 : 2006	Valve Fittings for Use with Liquefied Petroleum Gas (LPG) of upto 250 litre Water Capacity - Specification (Second Revision)	October, 2022	3	Not Equivalent
87	IS 8775:1978 BS 5355 : 1976	Filling pressure and corresponding developed pressure for permanent	October, 2022	-	Not Equivalent

		gases contained in cylinders			
88	IS 8776:2024	Valve Fittings for Use With Liquefied Petroleum Gas (LPG) Cylinders up to and Including 13 Litre Water Capacity - Specification (Second Revision)		-	Indigenous
89	SP 9:1973	Technical data sheet for gases conveyed in cylinders	March, 2020	2	Indigenous
90	IS 9122:2023 ISO 11363-1:2018 and	Inspection Gauges for Checking Type 2 Taper Thread of Gas Cylinder Valves, Taper 3 in 25 — Specification (Second Revision)		-	Not Equivalent
91	IS 9200:2021	METHODS OF DISPOSAL OF UNSERVICEABLE COMPRESSED GAS CYLINDERS CODE OF PRACTICE		-	Indigenous
92	IS 9639:2017	Visual inspection of low pressure welded steel gas cylinders during manufacture - Code of practice (First Revision)	October, 2022	-	Indigenous
93	IS 9798:2013 EN 12864 : 2001	Low pressure regulators for use with liquefied petroleum gas (LPG) - Specification (Second Revision)	November, 2023	3	Not Equivalent
94	IS/ISO 9809-2:2019 ISO 9809-2 : 2019 ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTION AND TESTING OF REFILLABLE SEAMLESS STEEL GAS CYLINDERS AND TUBES PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS AND TUBES WITH TENSILE STRENGTH GREATER THAN OR EQUAL TO 1 100 MPA		-	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 16 (27636)	Seamless steel cylinders for on - Board storage of compressed natural gas as a fuel for automotive vehicles - Specification First Revision Amendment - 2

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
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No Records Found

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
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No Records Found

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
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1	MED 16 (01368) Revision of: IS 7202:2017	Inspection Gauges for Checking Threads of Gas Cylinder Valves for Use with Breathing Apparatus
2	MED 16 (01370) Revision of: IS 7285:2017	Refillable Seamless Steel Gas Cylinders - Part 2 Quenched and Tempered Steel Cylinders with Tensile Strength Less Than 1 100 MPa 112 kgf mm ²
3	MED 16 (01372) Revision of: IS 15660:2017	Refillable transportable seamless aluminium alloy gas cylinders
4	MED 16 (01375) Revision of: IS 15490:2017	Cylinders for On-Board Storage of Compressed Natural Gas As a Fuel for Automotive Vehicles
5	MED 16 (01382) Revision of: IS 7302:2018	Valve Fittings for Self Contained Breathing Apparatus SCBA and Self Contained Underwater Breathing Apparatus SCUBA 9472 Specification
6	MED 16 (01383) Revision of: IS 8737:2017	Valve fittings for use with liquefied petroleum gas LPG cylinders of more than 5 litre water capacity
7	MED 16 (01371) Revision of: IS 15100:2018	Multifunction Valve Assembly for Permanently Fixed Liquefied Petroleum Gas LPG Containers for Automotive Use
8	MED 16 (01376) Revision of: IS 12936:2017	Code for basic requirements for delivery persons engaged in the delivery of LPG cylinders
9	MED 16 (01398)	Brazed Low Carbon Steel Gas Cylinders Not Exceeding 13 Litre Water Capacity Amendment - 4
10	MED 16 (01401)	Refillable Seamless Steel Gas Cylinders - Part 1 Normalized Steel Cylinders Amendment - 3
11	MED 16 (01413)	Welded Low Carbon Steel Cylinders Exceeding 5 Litre Water Capacity for Low Pressure Liquefiable Gases - Part 1 Cylinders for liquefied Petroleum Gases LPG Amendment - 1
12	MED 16 (01414) Revision of: IS 13497:2017	Fusible Plug for Dissolved Acetylene Gas Cylinder
13	MED 16 (01369) Revision of: IS 7285:2018	Refillable Seamless Steel Gas Cylinders - Part 1 Normalized Steel Cylinders
14	MED 16 (01447) Revision of: IS 9639:2017	Code of practice for visual inspection of low pressure welded steel gas cylinders during manufacture
15	MED 16 (01293)	Draft Indian Standard CYLINDERS FOR ON-BOARD STORAGE OF COMPRESSED GASEOUS HYDROGEN AND HYDROGEN BLENDS AS A FUEL FOR AUTOMOTIVE VEHICLES SPECIFICATION
16	MED 16 (01452)	Welded Low Carbon Steel Cylinders Exceeding 5 Litre Water Capacity for Low Pressure Liquefiable Gases - Part 2 Cylinders for Liquefiable Non-Toxic Gases Other Than LPG
17	MED 16 (01201)	TRANSPORTABLE GAS CYLINDERS CASCADE SPECIFICATION
18	MED 16 (01362)	Flame arresters Performance requirements test methods and limits for use
19	MED 16 (01294)	LIQUID OFF TAKE VALVE FITTING TO GAS CYLINDERS OR TANKS MOBILE OR STATIC FOR LIQUID PETROLEUM GAS LPG SPECIFICATION
20	MED 16 (01304)	GAS CYLINDERS CYLINDERS FOR COMPRESSED AND LIQUEFIED GASES EXCLUDING ACETYLENE INSPECTION AT TIME OF FILLING
21	MED 16 (01205) Revision of: IS 7312:2018	Welded and seamless steel dissolved acetylene gas cylinders
22	MED 16 (01126) Revision of: IS 8433:2017	DRAFT INDIAN STANDARD CODE OF PRACTICE FOR PERIODIC INSPECTION AND MAINTENANCE OF DISSOLVED ACETYLENE GAS CYLINDER FIRST REVISION SUPERSEDING OF IS 8433
23	MED 16 (01462)	Liquefied Petroleum Gas Storage Installations - Code of Practice Part 1 Residential Commercial and Industrial Cylinder Installations Amendment - 1
24	MED 16 (10205)	Recommendation for Safety Devices for Gas Cylinders Amendment - 1
25	MED 16 (10296) Revision of: IS 8451:2018	PERIODIC INSPECTION AND TESTING OF HIGH PRESSURE GAS CYLINDERS CODE OF PRACTICE Third Revision of IS 8451
26	MED 16 (10535)	Welded Low Carbon Steel Cylinders Exceeding 5 Litre Water Capacity for Low Pressure Liquefiable Gases - Part 1 Cylinders for liquefied Petroleum Gases LPG

27	MED 16 (10536)	Welded Low Carbon Steel Cylinders Exceeding 5 Litre Water Capacity for Low Pressure Liquefiable Gases - Part 2 Cylinders for Liquefiable Non-Toxic Gases Other Than LPG Amendment - 3
28	MED 16 (10537)	Welded Low Carbon Steel Gas Cylinder Exceeding 5 Litre Water Capacity For Low Pressure Liquefiable Gases Part 3 Methods Of Test
29	MED 16 (10716) Revision of: IS 15894:2018	INSPECTION GAUGES FOR CHECKING TAPER THREADS OF GAS CYLINDER VALVES AND CYLINDER NECKS - TAPER 1 IN 16 ON DIAMETER SPECIFICATION
30	MED 16 (10718)	COMPRESSED NATURAL GAS CYLINDER VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE SPECIFICATION
31	MED 16 (11060)	TRANSPORTABLE REFILLABLE FULLY WRAPPED COMPOSITE CYLINDERS FOR LIQUEFIED PETROLEUM GAS LPG SPECIFICATION
32	MED 16 (11180)	Liquefied natural gas LNG Tanks for on-board storage as a fuel for automotive vehicles
33	MED 16 (11682) Revision of: IS 6044:2018	Liquefied Petroleum Gas Storage Installations Code of Practice Part 1 Residential Commercial and Industrial Cylinder Installations Third Revision of IS 6044-1
34	MED 16 (12085) Revision of: IS 12586:1988	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification
35	MED 16 (12095) Revision of: IS 15935:2011	COMPOSITE CYLINDERS FOR ON-BOARD STORAGE OF COMPRESSED NATURAL GAS CNG AS A FUEL FOR AUTOMOTIVE VEHICLE SPECIFICATION
36	MED 16 (12515) Revision of: IS/ISO 11114:2017	Transportable gas cylinders Compatibility of cylinder and valve materials with gas contents Part 4 Test methods for selecting steels resistant to hydrogen embrittlement
37	MED 16 (12542)	Welded Low Carbon Steel Cylinders Exceeding 5 Litre Water Capacity for Low Pressure Liquefiable Gases - Part 1 Cylinders for liquefied Petroleum Gases LPG Amendment - 6
38	MED 16 (12629)	Refillable Seamless Steel Gas Cylinders- Specification Part 1 Normalized Steel Cylinders Fourth Revision Amendment - 1
39	MED 16 (12792)	Refillable Seamless Steel Gas Cylinders- Specification Part 1 Normalized Steel Cylinders Fourth Revision Amendment - 2
40	MED 16 (12793)	Refillable Seamless Steel Gas Cylinders - Specification Part 2 Quenched and Tempered Steel Cylinders With Tensile Strength Less Than 1 100 MPa 112 kgf mm Amendment - 1
41	MED 16 (12794)	Seamless Steel Cylinders for on-Board Storage of Compressed Natural Gas as a Fuel for Automotive Vehicles - Specification First Revision Amendment - 1
42	MED 16 (12845)	Valve Fitting for Use with Liquefied Petroleum Gas LPG Cylinders for More than 5 Litre Water Capacity - Specification Second Revision Amendment - 1
43	MED 16 (13512) Revision of: IS 16280:2014	Draft Indian Standard High Pressure Regulators and Adaptors for use with Liquefied Petroleum Gases LPG Specification amalgamation of IS 4786 IS 16280
44	MED 16 (13561) Revision of: IS 3224:2002	VALVE FITTINGS FOR COMPRESSED GAS CYLINDERS EXCLUDING LIQUEFIED PETROLEUM GAS LPG CYLINDERS SPECIFICATION Fourth Revision of IS 3224
45	MED 16 (13615) Revision of: IS 6044:2001	LIQUEFIED PETROLEUM GAS STORAGE INSTALLATIONS CODE OF PRACTICE PART 2 COMMERCIAL INDUSTRIAL AND DOMESTIC BULK STORAGE INSTALLATIONS
46	MED 16 (13663) Revision of: IS 15975:2020	GAS CYLINDERS CONDITIONS FOR FILLING GAS CYLINDERS
47	MED 16 (14034)	Welded and Seamless Steel Dissolved Acetylene Gas Cylinders Specification Third Revision Amendment - 1
48	MED 16 (14127) Revision of: IS 16050:2020	Gas cylinders Seamless welded and composite cylinders for compressed and liquefied gases excluding acetylene Inspection at time of filling First Revision of IS 16050
49	MED 16 (14135) Revision of: IS 16485:2020	Flame Arresters - Performance Requirements Test Methods and Limits for Use
50	MED 16 (14686)	Requirement of Safety Devices for Gas Cylinders Specification
51	MED 16 (14687)	REQUIREMENT OF SAFETY DEVICES FOR GAS CYLINDERS SPECIFICATION
52	MED 16 (14700) Revision of: IS 9200:1988	METHODS OF DISPOSAL OF UNSERVICEABLE COMPRESSED GAS CYLINDERS CODE OF PRACTICE
53	MED 16 (14963) Revision of: IS 3933:1966	Colour Identification of Gas Cylinders and Related Equipment Intended for Medical Use
54	MED 16 (15002) Revision of: IS 4379:1981	Identification of contents of industrial gas cylinders
55	MED 16 (15638)	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases Part 1 cylinders for liquefied petroleum gases Lpg - Specification Sixth Revision Amendment - 6
56	MED 16 (15784)	Low pressure regulators for use with liquefied petroleum gas LPG - Specification Second Revision Amendment - 3

57	MED 16 (15992)	Welded Low Carbon Steel Containers above 250 Litre and not Exceeding 1 000 Litre Water Capacity for the Transport of LPG Specification
58	MED 16 (16139)	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING
59	MED 16 (16207) Revision of: IS 9122:2008	INSPECTION GAUGES FOR CHECKING TYPE 2 TAPER THREAD OF GAS CYLINDER VALVES TAPER 3 IN 25 SPECIFICATION
60	MED 16 (16336)	Refillable transportable seamless aluminium alloy gas cylinders - Specification First Revision Amendment - 1
61	MED 16 (16337)	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gas - Requirements for inspection and reconditioning of used lpg cylinders First Revision
62	MED 16 (16502)	Compressed natural gas cylinder valve integrated with solenoid operation Remotely Controlled for automotive use - Specification Amendment - 1
63	MED 16 (16579) Revision of: IS 3745:2006	Yoke Type Medical Cylinder Valve with Pin Index Connection Third Revision
64	MED 16 (16582)	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 in 16 on diameter - Specification First Revision Amendment - 1
65	MED 16 (16636) Revision of: IS 8198:1984	CODE OF PRACTICE FOR STEEL CYLINDERS FOR COMPRESSED GASES PART 5 LIQUEFIED PETROLEUM GAS LPG
66	MED 16 (16990)	Liquefied petroleum gas storage installations - Code of practice Part 1 residential commercial and industrial cylinder installations Third Revision Amendment - 1
67	MED 16 (17107) Revision of: IS/ISO 11114:2012	Draft Indian Standard GAS CYLINDERS COMPATIBILITY OF CYLINDERS AND VALVE MATERIAL WITH GAS CONTENTS PART 1 METALLIC MATERIALS first revision of ISISO 11114-1
68	MED 16 (17245)	Liquid off - Take valve fitting to gas cylinders or tanks Mobile Or Static for liquid petroleum gas LPG - Specification Amendment - 1
69	MED 16 (17247)	Valve Fittings for Use with Liquefied Petroleum Gas LPG of upto 250 litre water capacity - Specification Second Revision Amendment No - 2
70	MED 16 (17432)	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices Specification
71	MED 16 (18618) Revision of: IS 8776:1988	Valve Fittings for Use With Liquefied Petroleum Gas LPG Cylinders up to and Including 13 Litre Water Capacity Specification Second Revision
72	MED 16 (20154) Revision of: IS 16017:2013	Transportable Gas Cylinders Periodic Inspection and Testing of Seamless Aluminium Alloy Gas Cylinders First Revision
73	MED 16 (20189) Revision of: IS 12300:1988	GAS CYLINDER VALVES FOR SMALL REFRIGERANT CYLINDERS SPECIFICATION
74	MED 16 (20199) Revision of: IS 5845:1993	INSPECTION OF LOW PRESSURE WELDED STEEL GAS CYLINDERS OTHER THAN LPG CYLINDERS IN USE CODE OF PRACTICE THIRD REVISION
75	MED 16 (20263)	Cryogenic Vessels Transportable Vacuum Insulated Vessels of not more than 1 000 Litres Part 2 Operational Requirements
76	MED 16 (20392) Revision of: IS 8198:1982	Steel Cylinders for Compressed Gases Code of Practice Part 12 Gases for Medical Use First Revision
77	MED 16 (20406) Revision of: IS 8198:1988	Steel Cylinders for Compressed Gases Code of Practice Part 9 Sulphur Dioxide Gas Second Revision
78	MED 16 (20415) Revision of: IS 8198:1980	Steel Cylinders for Compressed Gases Code of Practice Part 10 Methyl Bromide Gas First Revision
79	MED 16 (20441) Revision of: IS 8198:1988	Steel Cylinders for Compressed Gases Code of Practice Part 7 Ammonia Gas Second Revision
80	MED 16 (20612) Revision of: IS 8198:1988	Steel Cylinders for Compressed Gases Code of Practice Part 11 Methyl Chloride Gas Second Revision
81	MED 16 (20771) Revision of: IS 8198:1993	Steel Cylinders for Compressed Gases Code of Practice Part 8 Common Organic Refrigerant Gases Second Revision
82	MED 16 (22407)	Gas Cylinders-- Conditions for Filling Gas Cylinders First Revision Amendment - 1
83	MED 16 (22706)	CRYOGENIC VESSELS VALVES FOR CRYOGENIC VESSELS
84	MED 16 (23093)	Refillable transportable seamless aluminium alloy gas cylinders - Specification First Revision Amendment - 2
85	MED 16 (23094)	Acetylene generators - Requirements First Revision Amendment - 1
86	MED 16 (23109)	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER CAPACITY BETWEEN 450 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING
87	MED 16 (23110)	GAS CYLINDERS DESIGN CONSTRUCTION AND TESTING OF REFILLABLE

		SEAMLESS STEEL GAS CYLINDERS AND TUBES PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS AND TUBES WITH TENSILE STRENGTH GREATER THAN OR EQUAL TO 1 100 MPA
88	MED 16 (23111)	GAS CYLINDERS REFILLABLE SEAMLESS STEEL TUBES OF WATER CAPACITY BETWEEN 150 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING
89	MED 16 (23341)	Valve fittings for self contained breathing apparatus SCBA and self contained underwater breathing apparatus SCUBA - Specification First Revision Amendment - 1
90	MED 16 (23485) Revision of: IS 7142:1995	Welded Low Carbon Steel Cylinders for Low Pressure Liquefiable Gases not exceeding 5 Litre Water Capacity Specification Second Revision
91	MED 16 (23565) Revision of: IS 7241:1981	Gas Cylinder Technology Glossary of Terms Second Revision
92	MED 16 (24209)	Cryogenic Vessels Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design Fabrication Inspection and Tests
93	MED 16 (24615)	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE REINFORCED COMPOSITE GAS CYLINDERS AND TUBES UP TO 450 LITRES
94	MED 16 (24616)	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Load-Sharing Metal Liners
95	MED 16 (24617)	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 3 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Non-load-sharing Metallic or Non-metallic Liners or without Liners
96	MED 16 (24646) Revision of: IS/ISO 11114:2013	GAS CYLINDERS COMPATIBILITY OF CYLINDER AND VALVE MATERIALS WITH GAS CONTENTS PART 2 NON-METALLIC MATERIALS Second Revision Adoption of ISO 11114-2
97	MED 16 (25087)	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders - Specification fourth revision Amendment - 1
98	MED 16 (25227)	COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE - SPECIFICATION
99	MED 16 (25890)	CRYOGENIC VESSELS - LARGE TRANSPORTABLE VACUUM-INSULATED VESSELS PART 1 DESIGN FABRICATION INSPECTION AND TESTING Modified Adoption of ISO 20421-1
100	MED 16 (25978)	LIGHT GAUGE METAL CONTAINERS NON-REFILLABLE LPG CARTRIDGES GENERAL REQUIREMENTS
101	MED 16 (25994)	COMPRESSED NATURAL GAS CYLINDER VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE - SPECIFICATION
102	MED 16 (26961) Revision of: IS 8198:1988	STEEL CYLINDERS FOR COMPRESSED GASES - CODE OF PRACTICE PART 6 LIQUEFIED CHLORINE GAS Second Revision of IS 8198 Part 6
103	MED 16 (27056) Revision of: IS 5903:2014	Types of Safety Device for Gas Cylinders and Gas Cylinder Valves Second Revision
104	MED 16 (27401)	Gas Cylinder Valves for Small Refrigerant Cylinders -Specification First Revision Amendment - 1
105	MED 16 (27407)	Identification of the Contents of Industrial Gas Cylinders Second Revision Amendment - 1
106	MED 16 (27640)	Valve Fittings for Use with Liquefied Petroleum Gas LPG of upto 250 litre Water Capacity - Specification Second Revision Amendment - 3
107	MED 16 (27650)	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders - Specification fourth revision Amendment - 2
108	MED 16 (27703)	Gas Cylinders - Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic Materials First Revision Amendment - 1
109	MED 16 (27705)	PRESSURE RELIEF VALVES FOR CYLINDER VALVES AND FOR TRANSPORTABLE REFILLABLE CYLINDERS
110	MED 16 (27872) Revision of: IS 16646:2017	TRANSPORTABLE REFILLABLE FULLY WRAPPED COMPOSITE CYLINDERS FOR LIQUEFIED PETROLEUM GAS LPG SPECIFICATION
111	MED 16 (28257) Revision of: IS 17613:2021	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING First Revision of IS 17613
112	MED 16 (28292)	Liquefied petroleum gas LPG containers for automotive use - Specification First Revision Amendment - 1
113	MED 16 (34038)	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable

		gases Part 1 cylinders for liquefied petroleum gases Lpg - Specification Sixth Revision
114	MED 16 (34091)	REFILLABLE SEAMLESS STEEL GAS CYLINDERS SPECIFICATION PART 1 NORMALIZED STEEL CYLINDERS Fifth Revision of IS 7285 Part 1
115	MED 16 (34127)	REFILLABLE SEAMLESS STEEL GAS CYLINDERS SPECIFICATION PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS WITH TENSILE STRENGTH LESS THAN 1 100 MPA 112 kgf mm Fifth Revision of IS 7285 Part 2

Total Published Standards:86 Total Standards Under development:116

Aspect Wise Report

Product : 45
Code of Practices : 31
Methods of Test : 5
Terminology : 2
Dimensions : 0
System Standard : 1
Safety Standard : 0
Others : 1
Service Specification : 0
Process Specification : 1
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 15100:2001 ISO 25745-2: 2015	Multifunction Valve Assembly for Permanently Fixed Liquefied Petroleum Gas LPG Containers for Automotive Use
2	IS 15490:2004 ISO 9809-1 ISO 11040-4 : 2015	Cylinders for On-Board Storage of Compressed Natural Gas As a Fuel for Automotive Vehicles
3	IS 15737:2006 ISO 10463 ISO 10463:1993	Cylinders for permanent gases - inspection at time of filling
4	IS 2872:1967	Low carbon steel cylinders for the storage and transportation of liquefiable gases
5	IS 3870:1966	Code of practice for handling gas cylinders and related equipment intended for medical use
6	IS 4093:1981	Non-refillable liquefied petroleum gas containers
7	IS 4784:1968	Low Pressure Regulators for Use with Butane Gas
8	IS 4785:1968	Low Pressure Regulators for Use with Propane gas
9	IS 4786:2014 EN 12864 : 2001, EN 13785 : 2005	Variable high pressure regulators VHPR for use with liquefied petroleum gases - Specification First Revision
10	IS 7285:1988	Seamless Steel Cylinders for Permanent and High Pressure Liquefiable Gases
11	IS 7285 (Part 1):2004 ISO/TS 16095 : 2021	Refillable Seamless Steel Gas Cylinders - Part 1 Normalized Steel Cylinders
12	IS 7285 (Part 2):2004 ISO 12183 :2016	Refillable Seamless Steel Gas Cylinders - Part 2 Quenched and Tempered Steel Cylinders with Tensile Strength Less Than 1 100 MPa 112 kgf mm ²
13	IS 7302:1974 62341-1-2 : 2014	Valve Fittings for Gas Cylinder Valves for Use with Breathing Apparatus
14	IS 7311:1974	Seamless high carbon steel cylinders for permanent and high pressure liquefiable gases
15	IS 7312:1993 ISO 18079-2	Welded and seamless steel dissolved acetylene gas cylinders

16	IS 7680:1985	Welded Low Carbon Steel Gas Cylinders for Ammonia Anhydrous Gas
17	IS 7681:1985	Welded Low Carbon Steel Gas Cylinders for Chlorine Gas
18	IS 7682:1985	Welded Low Carbon Steel Gas Cylinders for Methyl Bromide Gas
19	IS 8198 (Part 1):1984	Code of practice for steel cylinders for compressed gases Part 1 Atmospheric gases
20	IS 8198 (Part 2):1984	Code of practice for steel cylinders for compressed gases Part 2 Hydrogen gas
21	IS 8198 (Part 3):1984	Code of practice for steel cylinders for compressed gases Part 3 High pressure liquefiable gases
22	IS 8198 (Part 4):1984	Code of practice for steel cylinders for compressed gases Part 4 Dissolved acetylene gas
23	IS 8471 (Part 1):1977	Requirements for acetylene generators Part 1 Low pressure stationary of water to-carbide and carbide to water type
24	IS 8471 (Part 2):1977	Requirements for acetylene generators Part 2 Low pressure portable of water-to-carbide type
25	IS 8471 (Part 3):1977	Requirements for acetylene generators Part 3 Low pressure portable of carbide-to-water type
26	IS 8471 (Part 4):1977	Requirements for acetylene generators Part 4 Medium pressure stationary of water-to-carbide and carbide-to-water type
27	IS 8471 (Part 5):1977	Requirements for acetylene generators Part 5 Medium pressure portable of water-to-carbide and carbide-to-water type
28	IS 8737:1995 ISO 12619-15: 2017	Valve fittings for use with liquefied petroleum gas LPG cylinders of more than 5 litre water capacity
29	IS 8866:1978	Filling ratios and corresponding developed pressure for high pressure liquefiable gases contained in gas cylinder
30	IS 8867:1978	Saturated vapour pressure and test pressure for low pressure liquefiable gases contained in gas cylinders
31	IS 8868:1988	Periodical inspection interval of gas cylinders in use
32	IS 9121:2005	Inspection Gauges for Checking Type 1 Size 2 Taper Threads of Gas Cylinder Valves Taper 1 in 16
33	IS 9199:1979	Inspection Gauges for Checking Type 3 Taper Threads of Gas Cylinder Valves Taper 6 Included Angle
34	IS 9687:1980	Inspection Gauges for Checking Type 1 Size 1 Taper Threads of Gas Cylinder Valves Taper 1 in 16

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 11006:2011	Flash back arrestor Flame Arrestor - Specification First Revision
2	IS/ISO 11114-1:2020 ISO 11114-1:2020 ISO 20813 : 2019	Gas Cylinders - Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic Materials First Revision Amendment - 1
3	IS/ISO 11119-3:2020 ISO 11119-3 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 3 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Non-load-sharing Metallic or Non-metallic Liners or without Liners
4	IS/ISO 11119-1:2020 ISO 11119-1 : 2020	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE REINFORCED COMPOSITE GAS CYLINDERS AND TUBES UP TO 450 LITRES
5	IS/ISO 11119-2:2020 ISO 11119-2 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Load-Sharing Metal Liners
6	IS/ISO 11120:2015 ISO 11120 : 2015	GAS CYLINDERS REFILLABLE SEAMLESS STEEL TUBES OF WATER CAPACITY BETWEEN 150 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING

7	IS/ISO 11515:2022 ISO 11515 : 2022	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER CAPACITY BETWEEN 450 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING
8	IS 12300:2024	Gas Cylinder Valves for Small Refrigerant Cylinders -Specification First Revision
9	IS 12586:2021 ISO 128-2:2022	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification
10	IS 13497:2017	Fusible plug for dissolved acetylene gas cylinder - Specification First Revision
11	IS/ISO 13985:2006 ISO 13985 : 2006	Liquid hydrogen - Land vehicle fuel tanks
12	IS 14899:2014 ISO 20826 : 2006	Liquefied petroleum gas LPG containers for automotive use - Specification First Revision Amendment - 1
13	IS 15637:2006 AS 2469, AS 2470, EN 14140	Welded stainless steel cylinders for liquefied petroleum gases LPG from 0.5 litre to 250 litre water capacity - Specification
14	IS 15660:2017 ISO 7866 : 2012	Refillable transportable seamless aluminium alloy gas cylinders - Specification First Revision
15	IS 15894:2018	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 in 16 on diameter - Specification First Revision
16	IS 15935:2021	Composite Cylinders for On-Board Storage of Compressed Natural Gas CNG as a Fuel for Automotive Vehicle - Specification First Revision
17	IS 16280:2021 ISO/IEC/IEEE 42020 : 2019	High Pressure Regulators and Adaptors for Use with Liquefied Petroleum Gases LPG Specification First Revision
18	IS 16484:2017 ISO 15995:2006, EN 13175:2003, ANSI/CGA V-1	Liquid off - Take valve fitting to gas cylinders or tanks Mobile Or Static for liquid petroleum gas LPG - Specification
19	IS 16485:2020 ISO 16852 : 2016	Flame Arresters Performance Requirements Test Methods and Limits for Use First Revision
20	IS 16507:2017	Transportable gas cylinders cascade - Specification
21	IS 16646:2017 ISO 11119-3 : 2013	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gas LPG - Specification
22	IS 16735:2018 ISO/TS 15869:2009	Cylinders for on - Board Storage of Compressed Gaseous Hydrogen and Hydrogen Blends as a Fuel for Automotive Vehicles - Specification
23	IS 16742:2018 ISO 12991 : 2012 ISO 12991:2012	Liquefied natural gas LNG - Tanks for on - Board storage as a fuel for automotive vehicles
24	IS 16988:2018	Compressed natural gas cylinder valve integrated with solenoid operation Remotely Controlled for automotive use - Specification
25	IS 17613:2025	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING First Revision of IS 17613
26	IS 18272:2023	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices Specification
27	IS 18608:2024	CRYOGENIC VESSELS VALVES FOR CRYOGENIC VESSELS
28	IS 18719 (Part 1):2024 IS 18719 (Part 1): 2024/	Cryogenic Vessels Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design Fabrication Inspection and Tests

	ISO 21029-1: 2018	
29	IS 19060 (Part 1):2024	CRYOGENIC VESSELS - LARGE TRANSPORTABLE VACUUM-INSULATED VESSELS PART 1 DESIGN FABRICATION INSPECTION AND TESTING Modified Adoption of ISO 20421-1
30	IS 19138:2025	Welded Low Carbon Steel Containers above 250 Litre and not Exceeding 1 000 Litre Water Capacity for the Transport of LPG Specification
31	IS 3196 (Part 2):2006 ISO/CD 4706-1	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases Part 2 cylinders for liquefiable non - Toxic gases other than lpg - Specification First Revision
32	IS 3196 (Part 4):2001	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases - Specification Part 4 cylinders for toxic and corrosive gases
33	IS 3196 (Part 1):2013 ISO 22991 : 2004	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases Part 1 cylinders for liquefied petroleum gases Lpg - Specification Sixth Revision
34	IS 3224:2021	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders - Specification fourth revision
35	IS 3710:1978 BS 1736 AND BS 5355	Filling ratios for low pressure liquefiable gases contained in cylinders First Revision
36	IS 3745:2024	Yoke Type Medical Cylinder Valve with Pin Index Connection Third Revision
37	IS 4152:2011 ISO 3500 : 2005	Seamless carbon dioxide cylinders for fire fighting purposes on boardship - Specification Third Revision
38	IS 5903:2025	Types of Safety Device for Gas Cylinders and Gas Cylinder Valves Second Revision
39	IS 7142:2025	Welded Low Carbon Steel Cylinders for Low Pressure Liquefiable Gases not exceeding 5 Litre Water Capacity - Specification Second Revision
40	IS 7202:2017	Inspection gauges for checking type 4 Size 1 2 3 taper threads of gas cylinder valves and cylinder necks - Specification First Revision
41	IS 8471:2003	Acetylene generators - Requirements First Revision
42	IS 8776:2024	Valve Fittings for Use With Liquefied Petroleum Gas LPG Cylinders up to and Including 13 Litre Water Capacity - Specification Second Revision
43	IS 9122:2023	Inspection Gauges for Checking Type 2 Taper Thread of Gas Cylinder Valves Taper 3 in 25 Specification Second Revision
44	IS 9798:2013 EN 12864 : 2001	Low pressure regulators for use with liquefied petroleum gas LPG - Specification Second Revision
45	IS/ISO 9809-2:2019 ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTION AND TESTING OF REFILLABLE SEAMLESS STEEL GAS CYLINDERS AND TUBES PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS AND TUBES WITH TENSILE STRENGTH GREATER THAN OR EQUAL TO 1 100 MPA