BUREAU OF INDIAN STANDARDS

Program of Work

MED 16 : Gas Cylinders

Published Standards

- 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

	Publislieu Stalluarus						
S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.		
1	IS 11006 : 2011	Flash back arrestor (Flame	November, 2021	1	Indigenous		
	Reviewed In: 2021	Arrestor) - Specification (First					
		Revision)					
2	IS/ISO 11114-1 :	Gas Cylinders — Compatibility of		-	Identical under single		
	2020	Cylinder and Valve Materials with			numbering		
	ISO 11114-1:2020	Gas Contents Part 1 Metallic					
	ISO 11114-1:2020	Materials (First Revision)					
3	IS/ISO 11114-2 :	Transportable Gas Cylinders -	March, 2019	-	Identical under single		
	2013	Compatibility of Cylinder and			numbering		
		Valve Materials with Gas Contents					
	Reviewed In: 2019	Part 2 Non-Metallic Materials					
	ISO 11114 : PART 2						
	: 2013						
4	IS/ISO 11114-3 :	Gas cylinders - Compatibility of	November, 2021	-	Identical under single		
	2010	cylinder and valve materials with			numbering		
	ISO 11114-3 : 2010	gas contents: Part 3 autogenous					
	Reviewed In: 2021	ignition test for non - Mettalic					
	ISO 11114 : Part 3 :	materials in oxygen atmosphere					
	2010						
5	IS/ISO 11114-4 :	Transportable Gas Cylinders —	-	-	Identical under single		
	2017	Compatibility of Cylinder and			numbering		
	IS/ISO 11114-4 :	Valve Materials with Gas Contents					
	2017	Part 4 Test Methods for Selecting					
	Reviewed In: 2017	Steels Resistant to Hydrogen					
	ISO 11114 Part 4 : 2						
6	IS/ISO 11119-1 :	GAS CYLINDERS - DESIGN		-	Identical under single		
	2020	CONSTRUCTION AND			numbering		
	ISO 11119-1 : 2020						
	ISO 11119-1 : 2020	COMPOSITE GAS CYLINDERS					
		AND TUBES PART 1 HOOP					
		WRAPPED FIBRE					
		REINFORCED COMPOSITE					

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		GAS CYLINDERS AND TUBES UP TO 450 LITRES			
7	IS/ISO 11119-2 :	Gas Cylinders � Design,			Identical under single
/	2020	Construction and Testing of		-	•
		•			numbering
	ISO 11119-2 : 2020	Refillable Composite Gas			
	ISO 11119-2 : 2020	Cylinders and Tubes Part 2 Fully			
		Wrapped Fibre Reinforced			
		Composite Gas Cylinders and			
		Tubes up to 450 Litres with Load-			
		Sharing Metal Liners			
3	IS/ISO 11119-3 :	Gas Cylinders ï¿ ¹ ⁄2 Design,		_	Identical under single
0	2020	Construction and Testing of			numbering
	ISO 11119-3 : 2020	Refillable Composite Gas			numbering
		-			
	ISO 11119-3 : 2020	5			
		Wrapped Fibre Reinforced			
		Composite Gas Cylinders and			
		Tubes up to 450 Litres with Non-			
		load-sharing Metallic or Non-			
		metallic Liners or without Liners			
)	IS/ISO 11120 : 2015	GAS CYLINDERS REFILLABLE		-	Identical under single
	ISO 11120 : 2015	SEAMLESS STEEL TUBES OF			numbering
	ISO 11120 : 2015 ISO 11120 : 2015	WATER CAPACITY BETWEEN			numbering
	150 11120 . 2015				
		150 L AND 3 000 L DESIGN			
		CONSTRUCTION AND			
		TESTING			
0	IS/ISO 11515 : 2022	GAS CYLINDERS REFILLABLE		-	Identical under single
	ISO 11515 : 2022	COMPOSITE REINFORCED			numbering
	ISO 11515 : 2022	TUBES OF WATER CAPACITY			_
		BETWEEN 450 L AND 3 000 L			
		DESIGN CONSTRUCTION AND			
		TESTING			
1	IS 12300 : 2024	Gas Cylinder Valves for Small		-	Indigenous
		Refrigerant Cylinders			E E
		-Specification (First Revision)			
2	IS 12586 : 2021	Brazed low carbon steel gas			Indigenous
2	15 12560 . 2021	_		-	margenous
		cylinders not exceeding 13 litre			
		water capacity Specification			
3	IS 12936 : 2017	Basic requirements for delivery	July, 2022	-	Indigenous
		persons engaged in the delivery of			
	Reviewed In: 2022	LPG cylinders - Code of practice			
		(First Revision)			
4	IS 13258 : 2014	Welded low carbon steel cylinders	March, 2024	1	Indigenous
		exceeding 5 litre water capacity for	11111011, 202 1		margenous
	1. 2024				
		low pressure liquefiable gas -			
		Requirements for inspection and			
		reconditioning of used lpg			
		cylinders (First Revision)			
5	IS 13497 : 2017	Fusible plug for dissolved	July, 2022	-	Indigenous
		acetylene gas cylinder -	-		-
	Reviewed In : 2022	Specification (First Revision)			
6	IS/ISO 13985 : 2006	Liquid hydrogen - Land vehicle	November, 2021	_	Identical under single
0	Reviewed In : 2021	fuel tanks	11010111001, 2021		numbering
					numbering
-	ISO 13985 : 2006		N. 1. 0010		
7	IS 14899 : 2014	Liquefied petroleum gas (LPG)	March, 2019	-	Not Equivalent
	Reviewed In : 2019	containers for automotive use -			
		Specification (First Revision)			
	ISO 20826 : 2006	<u> </u>			
	ISO 20826 : 2006 IS 15100 : 2018	Multi - Function valve assembly	March, 2023	-	Not Equivalent
.8			March, 2023	-	Not Equivalent

	UN Regulation No. 67, AS/NZS 1425, IEC 68-2-52, ISO 1817	automotive use - Specification (First Revision)			
19	IS 15190 (Part 1) : 2002 Reviewed In : 2022 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 Reviewed In : 2022 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 Reviewed In : 2022 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		Welded stainless steel cylinders for liquefied petroleum gases (LPG) from 0.5 litre to 250 litre water capacity - Specification	March, 2020	1	Not Equivalent
23	IS 15660 : 2017 Reviewed In : 2022 ISO 7866 : 2012	Refillable transportable seamless aluminium alloy gas cylinders - Specification (First Revision)	March, 2022	2	Not Equivalent
24	IS 15894 : 2018 Reviewed In : 2024	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	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 Reviewed In : 2022 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)	-	-	Indigenous
28	IS 16017 : 2024 ISO 18119 : 2018	Transportable Gas Cylinders â€" 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)		-	Indigenous
30	IS 16054 : 2013 Reviewed In : 2024 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 Reviewed In : 2024	Periodic inspection and requalification - Liquefied petroleum gas (LPG) cylinders for	January, 2024	-	Indigenous
32	IS 16185 : 2014	automotive use - Code of practice Periodic inspection and testing -	January, 2024	_	Not Equivalent
52		Welded carbon steel gas cylinders -	January, 2024		i tot Equivalent
	ISO 10460 : 2005	Code of practice			
33	IS 16271 : 2014	Dissolved acetylene gas cylinders -	January, 2024	_	Not Equivalent
55		Inspection at time of filling - Code	Junuary, 2024		Ttot Equivalent
	ISO 11372 : 2011	of practice			
34	IS 16280 : 2021	High Pressure Regulators and			Indigonous
54	13 10200 . 2021			-	Indigenous
		Adaptors for Use with Liquefied			
		Petroleum Gases (LPG) —			
25	IS 16299 : 2014	Specification (First Revision)	Ianuary 2024		Te d'anners
35		Periodic inspection and	January, 2024	-	Indigenous
	Reviewed In : 2024	requalification - High pressure			
		steel cylinders for the on - Board			
		storage of compressed natural gas			
		as a fuel for automotive vehicles,			
		cylinders for hcng blends and cng			
		cascade cylinders - Code of			
		practice			
36	IS 16484 : 2017	Liquid off - Take valve fitting to	March, 2022	1	Not Equivalent
		gas cylinders or tanks (Mobile Or			
	Reviewed In : 2022	Static) for liquid petroleum gas			
	ISO 15995:2006, EN	(LPG) - Specification			
	13175:2003,				
	ANSI/CGA V-1				
37	IS 16485 : 2020	Flame Arresters — Performance		-	Indigenous
	ISO 16852 : 2016	Requirements, Test Methods and			
		Limits for Use (First Revision)			
38	IS 16507 : 2017	Transportable gas cylinders	March, 2022	-	Indigenous
		cascade - Specification			
	Reviewed In : 2022	-			
39	IS 16646 : 2017	Transportable refillable fully	March, 2022	_	Not Equivalent
	Reviewed In : 2022	wrapped composite cylinders for			
	ISO 11119-3 : 2013	liquefied petroleum gas (LPG) -			
		Specification			
40	IS 16735 : 2018	Cylinders for on - Board Storage of		_	Not Equivalent
		Compressed Gasesous Hydrogen			1
	ISO/TS 15869:2009	and Hydrogen Blends as a Fuel for			
		Automative Vehicles -			
		Specification			
41	IS 16742 : 2018	Liquefied natural gas (LNG) -	December, 2023	_	Identical under dual
••	ISO 12991 : 2012	Tanks for on - Board storage as a	200000, 2020		numbering
	Reviewed In : 2023	fuel for automotive vehicles			inanioornig
	ISO 12991:2012				
42	IS 16988 : 2018	Compressed natural gas cylinder	March, 2024	1	Indigenous
14	15 10700 . 2010	valve integrated with solenoid	11111011, 202T	1	margenous
	Reviewed In : 2024	operation (Remotely Controlled)			
	100 10 m Cu III . 2024	for automotive use - Specification			
43	IS 17613 : 2021	GAS CYLINDERS REFILLABLE			Not Equivalent
+J	IS 17013 : 2021 ISO 20703:2006	WELDED ALUMINIUM ALLOY		-	
	150 20703:2006				
		CYLINDERS DESIGN			
		CONSTRUCTION AND			
4.4	10 10070 2022	TESTING			T 1'
44	IS 18272 : 2023	Residual pressure valves and type		-	Indigenous
		testing of cylinder valves			
		incorporating residual pressure			

		devices � Specification			
45	IS 18608 : 2024	CRYOGENIC VESSELS ïز ¹ ⁄2		-	Indigenous
		VALVES FOR CRYOGENIC			
		VESSELS			
6	IS 18719 (Part 1):	Cryogenic Vessels ï¿ ¹ /2		-	Identical under dual
	2024	Transportable Vacuum Insulated			numbering
	IS 18719 (Part 1):	Vessels of not More than 1 000			_
	2024/ ISO 21029-1:	Litres Volume Part 1 Design,			
	2018	Fabrication, Inspection and Tests			
	IS 18719 (Part 1):				
	2024/ ISO 21029-1:				
	2018				
17	IS 18719 (Part 2) :	Cryogenic Vessels �		-	Not Equivalent
	2024	Transportable Vacuum Insulated			1
	ISO 21029-2 : 2015	Vessels of not more than 1 000			
		Litres Part 2 Operational			
		Requirements			
8	IS 3196 (Part 1) :	Welded low carbon steel cylinders	March, 2024	4	Not Equivalent
0	2013	exceeding 5 litres water capacity	17101011, 2027	т	
	ISO 22991 : 2004	Part 1 cylinders for liquefied			
	130 22991 . 2004	petroleum gases (Lpg) -			
		Specification (Sixth Revision)			
.9	IS 2106 (Dort 2) .	*	March 2020	3	Not Equivalant
9	IS 3196 (Part 2) : 2006	Welded low carbon steel cylinders	March, 2020	5	Not Equivalent
		exceeding 5 litre water capacity for			
		low pressure liquefiable gases: Part			
	ISO/CD 4706-1	2 cylinders for liquefiable non -			
		Toxic gases other than lpg -			
0	10.010((D) 0)	Specification (First Revision)	0 1 2022		
0	IS 3196 (Part 3) :	Welded low carbon steel cylinder	October, 2022	2	Not Equivalent
		exceeding 5 litre water capacity for			
		low pressure liquefiable gases: Part			
	ISO 22991:2004	3 methods of test (First Revision)			
1	IS 3196 (Part 4) :	Welded low carbon steel cylinders	November, 2021	2	Indigenous
		exceeding 5 litre water capacity for			
	Reviewed In: 2021	low pressure liquefiable gases -			
		Specification: Part 4 cylinders for			
		toxic and corrosive gases			
2	IS 3224 : 2002	Valve fittings for compressed gas	November, 2017	3	Not Equivalent
	Reviewed In: 2017	cylinders excluding liquefied			
	10297:2014	petroleum gas (LPG) cylinders -			
		Specification (Third Revision)			
3	IS 3224 : 2021	Valve for compressed gas cylinders		-	Not Equivalent
	10297:2014	excluding liquefied petroleum gas			1
		(LPG) cylinders - Specification			
		(fourth revision)			
4	IS 3710 : 1978	Filling ratios for low pressure	March, 2020	1	Not Equivalent
•	Reviewed In : 2020	liquefiable gases contained in		*	Equivalent
	BS 1736 AND BS	cylinders (First Revision)			
	5355				
5	IS 3745 : 2006	Yoke type valve connections for	October, 2021	-	Indigenous
5	Reviewed In : 2021	small medical gas cylinders -	0010001, 2021	-	murgenous
	Kevieweu III : 2021				
6	IC 2745 - 2024	Specification (Second Revision)			T
6	IS 3745 : 2024	Yoke Type Medical Cylinder Valve		-	Indigenous
		with Pin Index Connection (Third			
		Revision)			
57	IS 3933 : 2021	Colour Identification of Gas		-	Not Equivalent
	32:1977	Cylinders and Related Equipment			
		Intended for Medical Use (First			

		Revision)	1		1
58	IS 4152 : 2011	Seamless carbon dioxide cylinders	November, 2021	-	Not Equivalent
	Reviewed In : 2021	for fire fighting purposes on			Ĩ
	ISO 3500 : 2005	boardship - Specification (Third			
		Revision)			
59	IS 4379 : 2021	Identification of the Contents of		-	Indigenous
		Industrial Gas Cylinders (Second			C
		Revision)			
50	IS 5844 : 2014	Hydrostatic stretch testing of	January, 2024	_	Indigenous
	Reviewed In : 2024	compressed gas cylinders -			
		Recommendations (First Revision)			
51	IS 5845 : 2024	Inspection of Low Pressure		_	Indigenous
	15 50 15 . 2021	Welded Steel Gas Cylinders Other			margenous
		than LPG Cylinders in Use —			
		Code of Practice (Third Revision)			
52	IS 5845 : 1993	Code of practice for inspection of	October, 2022	_	Indigenous
)2	Reviewed In : 2022	low pressure welded steel gas	0010001, 2022	-	mulgenous
	Kevieweu III . 2022	cylinders other than LPG cylinders			
		•			
53	IS 5903 : 2014	in use (Second Revision)	March 2024	3	Not Equivalent
5		Recommendation for safety	March, 2024	3	Not Equivalent
	Reviewed In : 2024	devices for gas cylinders (First			
	EN 13953 : 2003,	Revision)			
	CGAS-1.1 : 2007,				
	A.S. 2613 : 2005				
54	IS 6044 (Part 1) :	Liquefied petroleum gas storage	January, 2024	-	Indigenous
	2018	installations - Code of practice:			
		Part 1 residential, commercial and			
	Reviewed In : 2024	industrial cylinder installations			
		(Third Revision)			
55	IS 6044 (Part 2) :	LIQUEFIED PETROLEUM GAS		-	Indigenous
	2021	STORAGE INSTALLATIONS			
		CODE OF PRACTICE PART 2			
		COMMERCIAL INDUSTRIAL			
		AND DOMESTIC BULK			
		STORAGE INSTALLATIONS			
66	IS 7142 : 1995	Welded low carbon steel cylinders	March, 2020	1	Indigenous
	Reviewed In : 2020	for low pressure liquifiable gases			
		not exceeding 5 litre water capacity			
		- Specification (First Revision)			
57	IS 7202 : 2017	Inspection gauges for checking	October, 2022	_	Indigenous
-		type 4 (Size 1, 2, 3) taper threads	- · · · · · · · · · · · · · · · · · · ·		
	Reviewed In : 2022	of gas cylinder valves and cylinder			
	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU	necks - Specification (First			
		Revision)			
58	IS 7241 : 1981	Glossary of terms used in gas	October, 2022	_	Indigenous
.0	Reviewed In : 2022	cylinder technology (First	000001, 2022	-	margenous
	101101000111.2022	Revision)			
59	IS 7241 : 2024	Gas Cylinder Technology â€"		_	Indigenous
,	15 / 271 . 2024	Glossary of Terms (Second		-	margenous
		Revision)			
70	IS 7285 (Part 1) :	Revision) Refillable seamless steel gas	October, 2022	2	Indianaus
/0		•	October, 2022	Ĺ	Indigenous
	2018	cylinders - Specification: Part 1			
	D 11 0000	normalized steel cylinders (Fourth			
7.1	Reviewed In : 2022	Revision)	0 + 1 - 2022		
1	IS 7285 (Part 2) :	Refillable seamless steel gas	October, 2022	1	Not Equivalent
	2017	cylinders - Specification: Part 2			
		quenched and tempered steel			
		I and in dama middle tamaila atman ath lang			1
	Reviewed In : 2022 ISO 9809-1	cylinders with tensile strength less than 1 100 mpa (112 Kgf/mm ²)			

		(Fourth Revision)			
72	IS 7302 : 2018	Valve fittings for self contained	October, 2022	1	Not Equivalent
		breathing apparatus (SCBA) and			
	Reviewed In: 2022	self contained underwater			
	ISO 13341	breathing apparatus (SCUBA) -			
		Specification (First Revision)			
73	IS 7312 : 2018	Welded and seamless steel	March, 2024	1	Not Equivalent
		dissolved acetylene gas cylinders -			1
	Reviewed In : 2024	Specification (Third Revision)			
	ISO 3807 : 2013	Speenreation (Time Revision)			
74	IS 8198 : 2004	Steel cylinders for compressed	March, 2024		Indigenous
7 -	Reviewed In : 2024	gases (Atmospheric gases,	Waren, 2024		margenous
		hydrogen, high pressure liquefiable			
		gases and dissolved acetylene			
77		gases) - Code of practice			T 1'
75	IS 8198 (Part 5) :	CODE OF PRACTICE FOR		-	Indigenous
	2022	STEEL CYLINDERS FOR			
		COMPRESSED GASES PART 5:			
		LIQUEFIED PETROLEUM GAS			
		LPG			
76		Code of practice for steel cylinders	October, 2022	-	Indigenous
	1988	for compressed gases Part 6			
	Reviewed In: 2022	Liquefied chlorine gas			
77	IS 8198 (Part 7):	Steel Cylinders for Compressed		-	Indigenous
	2024	Gases ï¿ ¹ /2 Code of Practice Part 7			-
		Ammonia Gas (Second Revision)			
78	IS 8198 (Part 8) :	Steel Cylinders for Compressed		-	Indigenous
	2024	Gases $i_{1/2}^{1/2}$ Code of Practice Part 8			6
		Common Organic Refrigerant			
		Gases (Second Revision)			
79	IS 8198 (Part 9) :	Steel Cylinders for Compressed		-	Indigenous
17	2024	Gases $i_{\ell}^{1/2}$ Code of Practice Part 9			margenous
	2024	-			
		Sulphur Dioxide Gas (Second			
00	IS 8198 (Part 10) :	Revision)			To I's source of
80	< , , , , , , , , , , , , , , , , , , ,	5 1		-	Indigenous
	2024	Gases $i_{\ell}^{1/2}$ Code of Practice Part 10			
		Methyl Bromide Gas (First			
		Revision)			
81	IS 8198 (Part 11) :	Steel Cylinders for Compressed		-	Indigenous
	2024	Gases â€" Code of Practice Part			
		11 Methyl Chloride Gas (Second			
		Revision)			
82	IS 8198 (Part 12):	Steel Cylinders for Compressed		-	Indigenous
	2024	Gases ï¿ ¹ /2 Code of Practice Part 12			
		Gases for Medical Use (First			
		Revision)			
83	IS 8433 : 2017	Periodic inspection and	November, 2021	-	Not Equivalent
		maintenance of dissolved acetylene	, ,		· · ·
	Reviewed In : 2021	gas cylinders - Code of practice			
	CGA - C6	(Second Revision)			
84	IS 8451 : 2018	Periodic inspection and testing of	January, 2024	-	Not Equivalent
υт	10 0 10 1 . 2010	seamless steel gas cylinders - Code	Junuary, 2027		
	Reviewed In : 2024	of practice (Third Revision)			
		or practice (Third Revision)			
05	ISO 6406 : 2005	Classer of to make the state	Name to 2021		T
85	IS 8452 : 1977	Glossary of terms used in acetylene	November, 2021	-	Indigenous
0.5	Reviewed In : 2021	generators			
86	IS 8471 : 2003	Acetylene generators -	March, 2024	1	Indigenous
	Reviewed In : 2024	Requirements (First Revision)			
87	IS 8737 : 2017	Valve fittings for use with	October, 2022	2	Not Equivalent

	NONE Reviewed In : 2022 ISO 14245 : 2006	liquefied petroleum gas (LPG) cylinders for more than 5 litre water capacity - Specification			
88	IS 8775 : 1978 Reviewed In : 2022	(Second Revision) Filling pressure and corresponding developed pressure for permanent	October, 2022	-	Not Equivalent
	BS 5355 : 1976	gases contained in cylinders			
89	IS 8776 : 1988 Reviewed In : 2021	Specification for valve fittings for use with liquefied petroleum gas (LPG) cylinders up to and including 5 - Litre water capacity (First Revision)	June, 2021	1	Indigenous
90	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
91	SP 9 : 1973 Reviewed In : 2020	Technical data sheet for gases conveyed in cylinders	March, 2020	2	Indigenous
92	IS 9122 : 2023	Inspection Gauges for Checking		-	Not Equivalent
	ISO 11363-1:2018	Type 2 Taper Thread of Gas			1
	and	Cylinder Valves, Taper 3 in 25 — Specification (Second Revision)			
93	IS 9200 : 2021	METHODS OF DISPOSAL OF UNSERVICEABLE COMPRESSED GAS CYLINDERS CODE OF PRACTICE		-	Indigenous
94	IS 9639 : 2017 Reviewed In : 2022	Visual inspection of low pressure welded steel gas cylinders during manufacture - Code of practice (First Revision)	October, 2022	-	Indigenous
95	IS 9798 : 2013 Reviewed In : 2019 EN 12864 : 2001	Low pressure regulators for use with liquefied petroleum gas (LPG) - Specification (Second Revision)	March, 2019	3	Not Equivalent
96	IS/ISO 9809-2 : 2019 ISO 9809-2 : 2019 ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTIION 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					
	No Records Found				
	Preliminary Draft Standards				
SI. No.	Doc No.	Title			

1	MED 16 (25978)	LIGHT GAUGE METAL CONTAINERS NON-REFILLABLE LPG CARTRIDGES GENERAL
		REQUIREMENTS

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MED 16 (22407)	Gas Cylinders Conditions for Filling Gas Cylinders First Revision Amendment - 1
2	MED 16 (26961) Revision	STEEL CYLINDERS FOR COMPRESSED GASES CODE OF PRACTICE PART 6
	of: IS 8198:1988	LIQUEFIED CHLORINE GAS Second Revision of IS 8198 Part 6

Draft Standards Completed WC Stage Doc No. Title SI. No. 1 MED 16 (15992) Draft Indian Standard GAS CYLINDERS WELDED LOW CARBON STEEL CONTAINERS EXCEEDING 250 LITRES AND UP TO 1000 LITRES WATER CAPACITY FOR THE TRANSPORT OF LPG DESIGN AND CONSTRUCTION 2 Draft Indian Standard LPG EQUIPMENT AND ACCESSORIES DESIGN SPECIFICATION MED 16 (15993) AND TESTING FOR LIQUEFIED PETROLEUM GAS LPG COMBO VALVES AND FITTINGS TO BE USED IN CYLINDERS WITH WATER CAPACITY MORE THAN 150 L 3 MED 16 (17305) Refillable seamless steel gas cylinders - Specification Part 1 normalized steel cylinders Fourth Revision Amendment - 2 LOW PRESSURE REGULATORS FOR USE WITH LIQUEFIED PETROLEUM GAS LPG 4 MED 16 (23088) Revision of: IS 8198:1988 SPECIFICATION Third Revision of IS 9798 5 MED 16 (23485) Revision WELDED LOW CARBON STEEL CYLINDERS FOR LOW PRESSURE LIQUEFIABLE of: IS 8198:1988 GASES NOT EXCEEDING 5 LITRE WATER CAPACITY SPECIFICATION Second Revision of IS 7142 GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN 6 MED 16 (24459) CONSTRUCTION AND TESTING Amendment - 1 CYLINDERS FOR ON-BOARD STORAGE OF COMPRESSED GASEOUS HYDROGEN 7 MED 16 (24593) Revision of: IS 8198:1988 AND HYDROGEN BLENDS AS A FUEL FOR AUTOMOTIVE VEHICLES SPECIFICATION First revision of IS 16735 COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGENNATURAL GAS BLENDS 8 MED 16 (25227) VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE - SPECIFICATION

Finalized Draft Indian Standard				
SI. No.	SI. No. Doc No. Title			
No Records Found				

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
1	MED 16 (16990)	Liquefied petroleum gas storage installations - Code of practice Part 1 residential commercial
		and industrial cylinder installations Third Revision Amendment - 1
2	MED 16 (24646) Revision	GAS CYLINDERS COMPATIBILITY OF CYLINDER AND VALVE MATERIALS WITH
	of: IS/ISO 11114:2013	GAS CONTENTS PART 2 NON-METALLIC MATERIALS Second Revision Adoption of ISO
		11114-2
3	MED 16 (25087)	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders -
		Specification fourth revision Amendment - 1
4	MED 16 (25890)	CRYOGENIC VESSELS - LARGE TRANSPORTABLE VACUUM-INSULATED VESSELS
		PART 1 DESIGN FABRICATION INSPECTION AND TESTING Modified Adoption of ISO
		20421-1
5	MED 16 (25994)	COMPRESSED NATURAL GAS CYLINDER VALVE INTEGRATED WITH SOLENOID
		OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE - SPECIFICATION

Total Published Standards:80 Total Standards Under development:16

Aspect Wise Report

Product : 49 Code of Practices : 31 Methods of Test : 5 Terminology : 2 Dimensions : 0 System Standard : 1 Safety Standard : 0 Others : 2 Service Specification : 0 Process Specification : 0 Unclassified : 0

CT N-	IC No. 9 37	T1241 -
SI. No.	IS No. & Year IS 15737 : 2006	Title
I		Cylinders for permanent gases - inspection at time of filling
	ISO 10463 Reviewed In : 2016 ISO	
	10463:1993	
2	IS 2872 : 1967	Low carbon steel cylinders for the storage and transportation of liquefiable gases
2	13 2072 . 1907	Low carbon steel cylinders for the storage and transportation of inqueriable gases
3	IS 3870 : 1966	Code of practice for handling gas cylinders and related equipment intended for medical use
4	IS 4093 : 1981	Non-refillable liquefied petroleum gas containers
	Reviewed In : 2002	
5	IS 4784 : 1968	Low Pressure Regulators for Use with Butane Gas
6	IS 4785 : 1968	Low Pressure Regulators for Use with Propane gas
7	IS 4786 : 2014	Variable high pressure regulators VHPR for use with liquefied petroleum gases - Specification
	Reviewed In : 2019 EN	First Revision
	12864 : 2001, EN 13785 :	
	2005	
8	IS 7285 : 1988	Seamless Steel Cylinders for Permanent and High Pressure Liquefiable Gases
	Reviewed In: 2002	
9	IS 7311 : 1974	Seamless high carbon steel cylinders for permanent and high pressure liquefiable gases
10	IS 7312 : 1993	Welded and seamless steel dissolved acetylene gas cylinders
	Reviewed In : 2013 ISO	
	18079-2	
11	IS 7680 : 1985	Welded Low Carbon Steel Gas Cylinders for Ammonia Anhydrous Gas
	Reviewed In : 1991	
12	IS 7681 : 1985	Welded Low Carbon Steel Gas Cylinders for Chlorine Gas
	Reviewed In : 1991	
13	IS 7682 : 1985	Welded Low Carbon Steel Gas Cylinders for Methyl Bromide Gas
	Reviewed In : 1996	
14	IS 8198 (Part 1) : 1984	Code of practice for steel cylinders for compressed gases Part 1 Atmospheric gases
15	Reviewed In : 2000	
15	IS 8198 (Part 2) : 1984	Code of practice for steel cylinders for compressed gases Part 2 Hydrogen gas
14	Reviewed In : 2000	Cade of another for starl ordinders for compared by the Det 2 II'd and the Call
16	IS 8198 (Part 3) : 1984	Code of practice for steel cylinders for compressed gases Part 3 High pressure liquefiable gas
17	Reviewed In : 2000	
17	IS 8198 (Part 4) : 1984	Code of practice for steel cylinders for compressed gases Part 4 Dissolved acetylene gas
10	Reviewed In : 2000	Description of the second s
18	IS 8471 (Part 1) : 1977	Requirements for acetylene generators Part 1 Low pressure stationary of water to-carbide and
19	Reviewed In : 2008 IS 8471 (Part 2) : 1977	carbide to water type Requirements for acetylene generators Part 2 Low pressure portable of water-to-carbide type

1	Reviewed In : 2008	
20	IS 8471 (Part 3) : 1977	Requirements for acetylene generators Part 3 Low pressure portable of carbide-to-water type
	Reviewed In : 2008	
21	IS 8471 (Part 4) : 1977	Requirements for acetylene generators Part 4 Medium pressure stationary of water-to-carbide and
	Reviewed In : 2008	carbide-to-water type
22	IS 8471 (Part 5) : 1977	Requirements for acetylene generators Part 5 Medium pressure portable of water-to-carbide and
	Reviewed In : 2008	carbide-to-water type
23	IS 8866 : 1978	Filling ratios and corresponding developed pressure for high pressure liquefiable gases contained
	Reviewed In : 2007	in gas cylinder
24	IS 8867 : 1978	Saturated vapour pressure and test pressure for low pressure liquefiable gases contained in gas
	Reviewed In : 2007	cylinders
25	IS 8868 : 1988	Periodical inspection interval of gas cylinders in use
	Reviewed In : 2007	
26	IS 9121 : 2005	Inspection Gauges for Checking Type 1 Size 2 Taper Threads of Gas Cylinder Valves Taper 1 in
	Reviewed In : 2010	16
27	IS 9199 : 1979	Inspection Gauges for Checking Type 3 Taper Threads of Gas Cylinder Valves Taper 6 Included
	Reviewed In: 2007	Angle
28	IS 9687 : 1980	Inspection Gauges for Checking Type 1 Size 1 Taper Threads of Gas Cylinder Valves Taper 1 in
	Reviewed In : 2010	16

	Annexure-II :List of Indian Product Standards		
SI. No.	IS No. & Year	Title	
1	IS 11006 : 2011	Flash back arrestor Flame Arrestor - Specification First Revision	
	Reviewed In : 2021		
2	IS/ISO 11114-1 : 2020	Gas Cylinders Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic	
	ISO 11114-1:2020	Materials First Revision	
	ISO 20813 : 2019		
3	IS/ISO 11119-1 : 2020	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE	
	ISO 11119-1 : 2020	COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE	
		REINFORCED COMPOSITE GAS CYLINDERS AND TUBES UP TO 450 LITRES	
4	IS/ISO 11119-2 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes	
	ISO 11119-2 : 2020	Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with	
		Load-Sharing Metal Liners	
5	IS/ISO 11119-3 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes	
	ISO 11119-3 : 2020	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	
6	IS/ISO 11120 : 2015	GAS CYLINDERS REFILLABLE SEAMLESS STEEL TUBES OF WATER CAPACITY	
	ISO 11120 : 2015	BETWEEN 150 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING	
7	IS/ISO 11515 : 2022	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER	
	ISO 11515 : 2022	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	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification	
	ISO 128-2:2022		
10	IS 13497 : 2017	Fusible plug for dissolved acetylene gas cylinder - Specification First Revision	
	Reviewed In : 2022		
11	IS/ISO 13985 : 2006	Liquid hydrogen - Land vehicle fuel tanks	
	Reviewed In : 2021 ISO		
	13985 : 2006		
12	IS 14899 : 2014	Liquefied petroleum gas LPG containers for automotive use - Specification First Revision	
	Reviewed In : 2019 ISO		
	20826 : 2006		
13	IS 15100 : 2018	Multi - Function valve assembly for permanently fixed liquefied petroleum gas LPG containers for automotive use - Specification First Revision	
	Reviewed In : 2023 UN		

	Regulation No. 67, AS/NZS 1425, IEC 68-2-52, ISO 1817	
14	IS 15490 : 2017	Seamless steel cylinders for on - Board storage of compressed natural gas as a fuel for automotive vehicles - Specification First Revision
	Reviewed In : 2022 ISO 11439 : 2013, ISO 9809-1 : 2010	
15	IS 15637 : 2006 Reviewed In : 2020 AS 2469, AS 2470, EN 14140	Welded stainless steel cylinders for liquefied petroleum gases LPG from 0 5 litre to 250 litre wate capacity - Specification
16	IS 15660 : 2017	Refillable transportable seamless aluminium alloy gas cylinders - Specification First Revision
	Reviewed In : 2022 ISO 7866 : 2012	
17	IS 15894 : 2018	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 ir 16 on diameter - Specification First Revision
10	Reviewed In : 2024	
18	15935 : 2021	Composite Cylinders for On-Board Storage of Compressed Natural Gas CNG as a Fuel for Automotive Vehicle - Specification First Revision
19	IS 16280 : 2021 ISO/IEC/IEEE 42020 : 2010	High Pressure Regulators and Adaptors for Use with Liquefied Petroleum Gases LPG Specification First Revision
20	2019 IS 16484 : 2017	Liquid off - Take valve fitting to gas cylinders or tanks Mobile Or Static for liquid petroleum gas LPG - Specification
	Reviewed In : 2022 ISO 15995:2006, EN 13175:2003, ANSI/CGA V-1	
21	IS 16485 : 2020 ISO 16852 : 2016	Flame Arresters Performance Requirements Test Methods and Limits for Use First Revision
22	IS 16507 : 2017	Transportable gas cylinders cascade - Specification
	Reviewed In : 2022	
23	IS 16646 : 2017 Reviewed In : 2022 ISO 11119-3 : 2013	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gas LPG - Specification
24	IS 16735 : 2018	Cylinders for on - Board Storage of Compressed Gasesous Hydrogen and Hydrogen Blends as a Fuel for Automative Vehicles - Specification
	ISO/TS 15869:2009	
25	IS 16742 : 2018 ISO 12991 : 2012 Reviewed In : 2023 ISO	Liquefied natural gas LNG - Tanks for on - Board storage as a fuel for automotive vehicles
	12991:2012	
26	IS 16988 : 2018	Compressed natural gas cylinder valve integrated with solenoid operation Remotely Controlled fo automotive use - Specification
	Reviewed In : 2024	
27	IS 17613 : 2021 ISO 21503 : 2022	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING
28	IS 18272 : 2023	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices Specification
29	IS 18608 : 2024	CRYOGENIC VESSELS VALVES FOR CRYOGENIC VESSELS
30	IS 18719 (Part 1) : 2024 IS 18719 (Part 1): 2024/ ISO 21029-1: 2018	Cryogenic Vessels Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design Fabrication Inspection and Tests

31	IS 3196 (Part 1) : 2013	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable
	Reviewed In : 2024 ISO	gases Part 1 cylinders for liquefied petroleum gases Lpg - Specification Sixth Revision
	22991 : 2004	
32	IS 3196 (Part 2) : 2006	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable
	Reviewed In : 2020 ISO/CD	gases Part 2 cylinders for liquefiable non - Toxic gases other than lpg - Specification First Revision
	4706-1	
33	IS 3196 (Part 4) : 2001	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable
	Reviewed In : 2021	gases - Specification Part 4 cylinders for toxic and corrosive gases
34	IS 3224 : 2021	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders -
		Specification fourth revision
35	IS 3710 : 1978	Filling ratios for low pressure liquefiable gases contained in cylinders First Revision
	Reviewed In : 2020 BS	
	1736 AND BS 5355	
36	IS 3745 : 2024	Yoke Type Medical Cylinder Valve with Pin Index Connection Third Revision
37	IS 4152 : 2011	Seamless carbon dioxide cylinders for fire fighting purposes on boardship - Specification Third
	Reviewed In : 2021 ISO	Revision
	3500 : 2005	
38	IS 5903 : 2014	Recommendation for safety devices for gas cylinders First Revision
	Reviewed In : 2024 EN	
	13953 : 2003, CGAS-1.1 :	
	2007, A.S. 2613 : 2005	
39	IS 7142 : 1995	Welded low carbon steel cylinders for low pressure liquifiable gases not exceeding 5 litre water
	Reviewed In : 2020	capacity - Specification First 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
	Reviewed In : 2022	
41	IS 7285 (Part 1) : 2018	Refillable seamless steel gas cylinders - Specification Part 1 normalized steel cylinders Fourth
		Revision
	Reviewed In : 2022	
42	IS 7285 (Part 2) : 2017	Refillable seamless steel gas cylinders - Specification Part 2 quenched and tempered steel
		cylinders with tensile strength less than 1 100 mpa 112 Kgf mm sup2 Fourth Revision
	Reviewed In : 2022 ISO	
	9809-1	
43	IS 7302 : 2018	Valve fittings for self contained breathing apparatus SCBA and self contained underwater
		breathing apparatus SCUBA - Specification First Revision
	Reviewed In : 2022 ISO	
	13341	
44	IS 8471 : 2003	Acetylene generators - Requirements First Revision
	Reviewed In : 2024	
45	IS 8737 : 2017	Valve fittings for use with liquefied petroleum gas LPG cylinders for more than 5 litre water
	NONE	capacity - Specification Second Revision
	Reviewed In : 2022 ISO	
	14245 : 2006	
46	IS 8776 : 2024	Valve Fittings for Use With Liquefied Petroleum Gas LPG Cylinders up to and Including 13 Litre
		Water Capacity - Specification Second Revision
47	IS 9122 : 2023	Inspection Gauges for Checking Type 2 Taper Thread of Gas Cylinder Valves Taper 3 in 25
		Specification Second Revision
48	IS 9798 : 2013	Low pressure regulators for use with liquefied petroleum gas LPG - Specification Second
	Reviewed In : 2019 EN	Revision
	12864 : 2001	
49	IS/ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTIION AND TESTING OF REFILLABLE
	ISO 9809-2 : 2019	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