BUREAU OF INDIAN STANDARDS

Program of Work

TED 26: Automotive Vehicles Running on Non Conventional Energy Sources

Scope: a) Standardization of Fuel System Components for Automotive Vehicles using New and

Renewable Energy Sources such as Compressed Natural Gas (CNG), Liquified Natural Gas (LNG), Liquified Petroleum Gas (LPG), Bio-CNG (CBG), Bio-diesel/diesel blends, alcohol (Ethanol/Methanol)-petrol blends, Hydrogen, Hydrogen/Methane Blends, Fuel Cells, DME,

DME-LPG Blends, Ammonia along with other synthetic fuels and their installation

requirements. b) Co-ordination of work with ISO/TC 22; ISO/TC 22/SC 41 & ISO/TC 197.

Liaison: ISO TC-22 (P): Road vehicles ISO TC-22 SC-41 (P): Specific aspects for gaseous fuels ISO

TC-197 (P): Hydrogen technologies

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 12619-1:	Road Vehicles Compressed		-	Identical under dual
	2014	Gaseous Hydrogen CGH2 And			numbering
	ISO 12619-1 : 2014	Hydrogen Natural Gas Blend Fuel			
	ISO 12619-1:2014	System Components Part 1:			
		General Requirements And			
		Definitions			
2	IS/ISO/IEC 12619-2	ROAD VEHICLES		-	Identical under dual
	: 2014	COMPRESSED GASEOUS			numbering
	ISO 12619-2 : 2014	HYDROGEN CGH2 AND			
	ISO 12619-2 : 2014	HYDROGEN NATURAL GAS			
		BLEND FUEL SYSTEM			
		COMPONENTS PART 2:			
		PERFORMANCE AND			
		GENERAL TEST METHODS			
3	IS/ISO 12619-3:	ROAD VEHICLES		-	Identical under dual
	2014	COMPRESSED GASEOUS			numbering
	ISO 12619-3: 2014	HYDROGEN CGH2 AND			
	ISO 12619-3: 2014	HYDROGEN NATURAL GAS			
		BLEND FUEL SYSTEM			
		COMPONENTS PRESSURE			
		REGULATOR			
4	IS/ISO 12619-4:	ROAD VEHICLES		-	Identical under dual
	2016	COMPRESSED GASEOUS			numbering
	ISO 12619-4: 2016	HYDROGEN CGH2 AND			
	ISO 12619-4: 2016	HYDROGEN NATURAL GAS			
		BLENDS FUEL SYSTEM			
		COMPONENTS CHECK VALVE			
5	IS/ISO 12619-5:	ROAD VEHICLES		-	Identical under dual
	2016	COMPRESSED GASEOUS			numbering
	ISO 12619-5: 2016	HYDROGEN CGH2 AND			
	ISO 12619-5: 2016	HYDROGEN NATURAL GAS			
		BLENDS FUEL SYSTEM			
1	1		l l		

ı	I	COMPONENTS DARES	1	1	
		COMPONENTS PART 5:			
	10/100 10/10 (MANUAL CYLINDER VALVE			I.I
6	IS/ISO 12619-6:	ROAD VEHICLES		-	Identical under dual
	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-6: 2017	HYDROGEN CGH2 AND			
	ISO 12619-6: 2017				
		BLEND FUEL SYSTEM			
		COMPONENTS AUTOMATIC			
		VALVE			
7	IS/ISO 12619-7:	ROAD VEHICLES		-	Identical under dual
	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-7: 2017	HYDROGEN CGH2 AND			
	ISO 12619-7: 2017	HYDROGENNATURAL GAS			
		BLENDS FUEL SYSTEM			
		COMPONENTS GAS INJECTOR			
8	IS/ISO 12619-8:	ROAD VEHICLES		-	Identical under dual
	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-8: 2017	HYDROGEN CGH2 AND			
	ISO 12619-8: 2017	HYDROGENNATURAL GAS			
		BLENDS FUEL SYSTEM			
		COMPONENTS PRESSURE			
		INDICATOR			
9	IS/ISO 12619-9:	ROAD VEHICLES		-	Identical under dual
	2017	COMPRESSED GASEOUS			numbering
	Adoption of ISO	HYDROGEN CGH2 AND			C
	1261	HYDROGENNATURAL GAS			
	Adoption of ISO	BLENDS FUEL SYSTEM			
	1261	COMPONENTS PRESSURE			
		RELIEF VALVE PRV			
10	IS/ISO 12619-10:	ROAD VEHICLES		_	Identical under dual
	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-10: 2017				
	ISO 12619-10: 2017				
	150 12017 1012017	BLENDS FUEL SYSTEM			
		COMPONENTS PRESSURE			
		RELIEF DEVICE PRD			
11	IS/ISO 12619-11 :	ROAD VEHICLES		_	Identical under dual
**	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-11 : 2017				namounng
	ISO 12619-11 :	HYDROGEN NATURAL GAS			
	2017	BLENDS FUEL SYSTEM			
	2017	COMPONENTS EXCESS FLOW			
		VALVE			
12	IS/ISO 12619-12 :	ROAD VEHICLES		_	Identical under dual
12	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-12 : 2017				numbering
	ISO 12619-12 : 2017	HYDROGEN NATURAL GAS			
	2017	BLENDS FUEL SYSTEM			
	2017	COMPONENTS GAS-TIGHT			
		HOUSING AND VENTILATION			
		HOSES			
13	IS/ISO 12619-13 :	ROAD VEHICLES			Identical under dual
13				-	
	2017	COMPRESSED GASEOUS			numbering
	ISO 12619-13 : 2017				
	ISO 12619-13 :	HYDROGEN NATURAL GAS			
	2017	BLENDS FUEL SYSTEM			
		COMPONENTS RIGID FUEL			
1.4	10/100 10/10 14	LINE IN STAINLESS STEEL			T.1
14	IS/ISO 12619-14:	ROAD VEHICLES		-	Identical under dual
-	-	•	-	•	

ı	2017	COMPRESED CASSONS		1	1
	2017 ISO 12619-14: 2017	COMPRESSED GASEOUS HYDROGEN CGH2 AND			numbering
	ISO 12619-14: 2017				
	130 12019-14. 2017	BLENDS FUEL SYSTEM			
		COMPONENTS FLEXIBLE			
		FUEL LINE			
15	IS/ISO 12619-15 :	ROAD VEHICLES			Identical under dual
13	2017	COMPRESSED GASEOUS		_	numbering
	ISO 12619-15: 2017				numbering
	ISO 12619-15: 2017				
	150 12017-13, 2017	BLENDS FUEL SYSTEM			
		COMPONENTS FILTER			
16	IS/ISO 12619-16:	Road Vehicles Compressed		_	Identical under dual
10	2017	Gaseous Hydrogen CGH2 And			numbering
		Hydrogen Natural Gas Blend Fuel			
	ISO 12619-1 : 2014	•			
		General Requirements And			
		Definitions			
17	IS 15710 : 2006	Road vehicles - Compressed	September, 2021	1	Modified/Technically
	ISO 15500-1	natural gas (CNG) fuel system			Equivalent
	Reviewed In: 2021	components - General			
	ISO 15500-1: 2000	requirements and definitions			
18	IS 15711 : 2006	Road vehicles - Compressed	September, 2021	1	Modified/Technically
	ISO 15500-2	natural gas (CNG) fuel system			Equivalent
	Reviewed In: 2021	components - Performance and			
	ISO 15500-2: 2001	general test methods			
19	IS 15712 : 2006	Road vehicles - Compressed	September, 2021	1	Modified/Technically
	ISO 15500-6	natural gas (CNG) fuel system			Equivalent
	Reviewed In: 2021	components - Automatic valve			
•	ISO 15500-6: 2001	(Solenoid Valve)			
20	IS 15713 : 2006	Road vehicles - Compressed	September, 2021	1	Modified/Technically
	ISO 15500-9	natural gas (CNG) fuel system			Equivalent
	Reviewed In : 2021	components - Pressure regulator			
21	ISO 15500-9: 2001	Dood wakislas Communicad	Cantanahan 2021	1	Modified/Technically
21	IS 15714 : 2006 ISO 15500-11	Road vehicles - Compressed	September, 2021	1	Modified/Technically
	Reviewed In : 2021	natural gas (CNG) fuel system components - Gas/air mixer			Equivalent
	ISO 15500-11: 2001	components - Gas/aii mixei			
22	IS 15715 : 2008	Road vehicles - Compressed	December, 2019	1	Indigenous
	Reviewed In : 2019	natural gas (CNG) fuel system	December, 2017	1	margenous
		components - Conduit (Ventilation			
		Hose)			
23	IS 15716 : 2006	Road vehicles - Compressed	September, 2021	2	Indigenous
	Reviewed In: 2021	natural gas (CNG) fuel system	1 / -		<i>5</i>
		components - Cng high pressure			
		fuel line (Rigid) with end			
		connections [having pressure			
		exceeding 2.15 mpa (21.5 Bar)]			
24	IS 15717 : 2006	Road vehicles - Compressed	September, 2021	2	Indigenous
	Reviewed In: 2021	natural gas (CNG) fuel system			
		components - Petrol valve			
		(Automatic/manual)			
25	IS 15718 : 2006	Road vehicles - Compressed	September, 2021	-	Indigenous
	Reviewed In: 2021	natural gas (CNG) fuel system			
		components - Cng high pressure			
		fuel line (Flexible Hose) with end			
		connections [having service			
		pressure exceeding 2.15 mpa (21.5			
<u> </u>	-	Bar)]		+	
		•			

26	IS 15719 : 2006	Road vehicles - Compressed	September, 2021	l 1 l	Indigenous
20	Reviewed In : 2021	natural gas (CNG) fuel system	September, 2021	1	margenous
	Reviewed III : 2021	components - Electrical wiring kit			
27	IS 15720 : 2008	Road vehicles - Compressed	December, 2019	1	Indigenous
-	Reviewed In : 2019	natural gas (CNG) fuel system	December, 2019	1	margenous
	Reviewed III . 2017	components - Compartments/sub -			
		Compartments			
28	IS 15721 : 2006	Road vehicles - Compressed	September, 2021	1	Indigenous
20	Reviewed In : 2021	natijral gas (CNG) - Fire retardant	September, 2021	1	margenous
	Reviewed III . 2021	material for seat, upholstery, roof			
		and side lining			
29	IS 15722 : 2006	Road vehicles - Compressed	September, 2021	1	Indigenous
2)	Reviewed In : 2021	natural gas (CNG) fuel system	September, 2021	1	margenous
	Reviewed III . 2021	components - Cng low - Pressure			
		flexible fuel line with end			
		connections [cng fuel line having			
		pressure not exceeding 2.15 mpa			
		1 -			
30	IS 15723 : 2006	(21.5 Bar)] Road vehicles - Compressed	September, 2021	1	Indiganous
30	Reviewed In : 2021	natural gas (CNG)Fuel system	September, 2021	'	Indigenous
	Reviewed III: 2021	components - Current limiting			
31	IS 15870 : 2009	devices Road vehicles - Use of compressed	December, 2019		Indigenous
31	Reviewed In : 2019	natural gas (CNG) fuel system in	December, 2019	-	murgenous
	Reviewed III: 2019	internal combustion engine			
		_			
32	IS 15956 : 2012	vehicles - Code of practice	Santambar 2017		Indiannous
32	Reviewed In : 2017	Road vehicles - Liquefied	September, 2017	-	Indigenous
	Reviewed III . 2017	petroleum gas (LPG) specific equipments - Definitions,			
		classification and general			
		requirements			
33	IS 15957 : 2012	Road vehicles - Liquefied	September, 2017	_	Indigenous
))	Reviewed In : 2017	petroleum gas (LPG) specific	September, 2017	-	margenous
	Reviewed III . 2017	equipment - general design			
		requirements, performance and test			
		methods			
34	IS 16009 : 2013	Road vehicles - Liquefied	August, 2018	_	Indigenous
]]]	Reviewed In : 2018	petroleum gas (LPG) specific	August, 2010	_	margenous
	Reviewed III . 2010	equipment - Shut off valve			
35	IS 16053 : 2013	Road vehicles - Liquefied	August, 2018		Indigenous
	Reviewed In : 2018	petroleum gas (LPG) specific	114gust, 2010		margonous
	Teviewed III . 2010	equipment - Pressure regulator and			
		vapourizer			
36	IS 16062 : 2013	Road vehicles - Liquefied	August, 2018	 _ 	Indigenous
~	Reviewed In : 2018	petroleum gas (LPG) specific	1105000, 2010		maigenous
	2010	equipment - Pressure and/or			
		temperature sensor			
37	IS 16063 : 2013	Road vehicles - Liquefied	August, 2018	_	Indigenous
	Reviewed In: 2018	petroleum gas (LPG) specific			
		equipment - Lpg filter unit			
38	IS 16064 : 2013	Road vehicles - Liquefied	August, 2018	_	Indigenous
	Reviewed In: 2018	petroleum gas (LPG) specific			
		equipment - Gas mixing piece			
39	IS 16065 : 2013	Road vehicles - Liquefied	August, 2018	_	Indigenous
	Reviewed In: 2018	petroleum gas (LPG) specific			
		equipment - Fuel rail			
40	IS 16367 : 2017	Road vehicles - Liquefied		-	Indigenous
. ັ		petroleum gas (LPG) specific			
		equipment - Gas injector			
	†	, , , , , , , , , , , , , , , , , , , ,		i 	

41	IS/ISO 17268 : 2020	Gaseous Hydrogen Land Vehicle	_	Identical under single
+1	ISO 17268 : 2020	Refuelling Connection Devices	-	numbering
	ISO 17268 : 2020	Refueiling Connection Devices		numbering
42	IS 19026 (Part 1):	DOAD VEHICLES :: 16		Identical under dual
42	` ′	ROAD VEHICLES "¿½	-	
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-1:2021	(LNG) FUEL SYSTEM		
	ISO 12614-1:2021	COMPONENTS - PART 1 :		
		GENERAL REQUIREMENTS		
		AND DEFINITIONS		
43	IS 19026 (Part 2):	ROAD VEHICLES �	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-2:2021	(LNG) FUEL SYSTEM		
	ISO 12614-2:2021	COMPONENTS i; ½ PART 2:		
		PERFORMANCE AND		
		GENERAL TEST METHODS		
44	IS 19026 (Part 3):	ROAD VEHICLES �	_	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
		_		numbering
	ISO 12614-3:2021	(LNG) FUEL SYSTEM		
	ISO 12614-3:2021	COMPONENTS � PART 3:		
4.5	IO 10006 (D)	CHECK VALVE		T1 (* 1 1 1 1
45	IS 19026 (Part 4):	ROAD VEHICLES	-	Identical under dual
		�LIQUEFIED NATURAL GAS		numbering
	ISO 12614-4:2021	(LNG) FUEL SYSTEM		
	ISO 12614-4:2021	COMPONENTS �PART 4:		
		MANUAL VALVE		
46	IS 19026 (Part 5):	ROAD VEHICLES �	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-5:2021	(LNG) FUEL SYSTEM		_
	ISO 12614-5:2021	COMPONENTS � PART 5:		
		TANK PRESSURE GAUGE		
47	IS 19026 (Part 7):	ROAD VEHICLES �	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-7:2021	(LNG) FUEL SYSTEM		nome or mg
	ISO 12614-7:2021	COMPONENTS � PART 7 :		
	150 12014-7,2021	PRESSURE RELIEF VALVE		
		(PRV)		
40	IC 1002((Dort 9) .	` ,		Identical under dual
48	IS 19026 (Part 8):	ROAD VEHICLES �	-	
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-8:2021	(LNG) FUEL SYSTEM		
	ISO 12614-8:2021	COMPONENTS � PART 8:		
		EXCESS FLOW VALVE		
49	IS 19026 (Part 9):	ROAD VEHICLES �	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-9:2021	(LNG) FUEL SYSTEM		
	ISO 12614-9:2021	COMPONENTS � PART 9		
		GAS-TIGHT HOUSING AND		
		VENTILATION HOSE		
50	IS 19026 (Part 10):	ROAD VEHICLES �	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-10:2021	(LNG) FUEL SYSTEM		
	ISO 12614-10:2021	COMPONENTS �PART 10:		
	150 12017 10,2021	RIGID FUEL LINE IN		
		STAINLESS STEEL		
<i>E</i> 1	IC 10026 (De = 11)			Identical d 11
51	IS 19026 (Part 11):	ROAD VEHICLES I; ½	-	Identical under dual
	2023	LIQUEFIED NATURAL GAS		numbering
	ISO 12614-11:2021	(LNG) FUEL SYSTEM		
	ISO 12614-11:2021	COMPONENTS � PART 11 :		
		FITTINGS		
52	IS 19026 (Part 12):	ROAD VEHICLES �	-	Identical under dual
	l l		ı	1

	1	1	•		
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-12:2021	(LNG) FUEL SYSTEM			
	ISO 12614-12:2021	_			
		RIGID FUEL LINE IN COPPER			
		AND ITS ALLOYS			
53	IS 19026 (Part 13):	e e		-	Identical under dual
	2023			numbering	
	ISO 12614-13:2021	(LNG) FUEL SYSTEM			
	ISO 12614-13:2021	ě.			
		TANK PRESSURE CONTROL			
<u> </u>		REGULATOR			
54	IS 19026 (Part 14):	ROAD VEHICLES �		-	Identical under dual
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-14:2021	(LNG) FUEL SYSTEM			
	ISO 12614-14:2021	COMPONENTS � PART 14:			
		DIFFERENTIAL PRESSURE			
<u> </u>	70 1000 (70 15)	FUEL CONTENT GAUGE			
55	IS 19026 (Part 15):	ROAD VEHICLES �		-	Identical under dual
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-15:2021	(LNG) FUEL SYSTEM			
	ISO 12614-15:2021				
		CAPACITANCE FUEL			
5.0	IC 1002((D-++ 1()	CONTENT GAUGE			T.1
56	IS 19026 (Part 16):	ROAD VEHICLES �		-	Identical under dual
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-16:2021	(LNG) FUEL SYSTEM			
	ISO 12614-16:2021	COMPONENTS � PART 16: HEAT EXCHANGER-			
		VAPORIZER			
57	IS 19026 (Part 17):	ROAD VEHICLES ï;½		_	Identical under dual
37	2023	LIQUEFIED NATURAL GAS		-	numbering
	ISO 12614-17:2021	(LNG) FUEL SYSTEM			numbering
	ISO 12614-17:2021	COMPONENTS � PART 17:			
	150 1201+ 17.2021	NATURAL GAS DETECTOR			
58	IS 19026 (Part 18):			-	Identical under dual
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-18:2021	(LNG) FUEL SYSTEM			
	ISO 12614-18:2021	COMPONENTS � PART 18:			
		GAS TEMPERATURE SENSOR			
59	IS 19026 (Part 19):	ROAD VEHICLES �		-	Identical under dual
	2023	LIQUEFIED NATURAL GAS			numbering
	ISO 12614-19:2021	(LNG) FUEL SYSTEM			Č
	ISO 12614-19:2021				
		AUTOMATIC VALVE			
60	IS 19032 : 2023	ROAD VEHICLES-LIQUEFIED		-	Indigenous
		PETROLEUM GAS LPG			
		SPECIFIC EQUIPMENT-LPG			
		FLEXIBLE HOSE			
61	IS 19035 : 2023	GAS CYLINDERS FLEXIBLE		-	Identical under dual
	ISO 16964: 2019	HOSES ASSEMBLIES			numbering
		SPECIFICATION AND TESTING			
62	IS 19036 : 2023	Fuel cell road vehicles Safety		-	Identical under dual
	ISO 23273: 2013	specifications Protection against			numbering
	ISO 23273: 2013	hydrogen hazards for vehicles			
		fuelled with compressed hydrogen			
63		FUEL CELL ROAD VEHICLES -		-	Identical under dual
	ISO 23828 : 2013	ENERGY CONSUMPTION			numbering
	ISO 23828 : 2013	MEASUREMENT - VEHICLES			
		FUELLED WITH COMPRESSED			
-	-	•	-		

	HYDROGEN		

Standards under Development

		Projects Approved	
SI. No.	Doc No.	Title	
	No Records Found		

		Preliminary Draft Standards	
SI. No.	Doc No.	Title	
	No Records Found		

		Drafts Standards in WC Stage
SI. No.	Doc No.	Title
1	TED 26 (26637)	Road vehicles Compressed gaseous hydrogen CGH2 and hydrogennatural gas blends fuel systems
		Part 1 Safety requirements
2	TED 26 (26638)	Road vehicles Compressed gaseous hydrogen CGH2 and hydrogennatural gas blends fuel systems
		Part 2 Test methods

		Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title		
	No Records Found			

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

	Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title	
1	TED 26 (14995) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15710:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS GENERAL REQUIREMENTS AND	
		DEFINITIONS	
2	TED 26 (15007) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO - COMPRESSED NATURAL	
	of: IS 15711:2006	GAS BIO - CNG FUEL SYSTEM COMPONENTS PERFORMANCE AND GENERAL TEST	
		METHODS First Revision	
3	TED 26 (15008) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15712:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS AUTOMATIC VALVE SOLENOID VALVE	
		First Revision	
4	TED 26 (15013) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15715:2008	GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS CNG	
		BIO- CNG LPG CONDUIT VENTILATION HOSE PIPE First Revision	
5	TED 26 (15014) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15716:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS - HIGH PRESSURE FUEL LINE RIGID	
		WITH END CONNECTIONS HAVING PRESSURE EXCEEDING 2 15 MPA 21 5 BAR	
6	TED 26 (15015) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15723:2006	GAS BIO- CNG AND LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS	
		CURRENT LIMITING DEVICES First Revision	
7	TED 26 (18368) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL	
	of: IS 15713:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS PRESSURE REGULATOR First Revision	
8	TED 26 (18373) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO - COMPRESSED NATURAL	
	of: IS 15714:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS GAS AIR MIXER First Revision	

9	TED 26 (19274) Devision	DOAD VEHICLES COMPRESSED NATURAL CAS CMC DIO COMPRESSED NATURAL
9	TED 26 (18374) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15717:2006	GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS
		PETROL VALVE AUTOMATIC MANUAL First Revision
10	TED 26 (18375) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15718:2006	GAS BIO- CNG FUEL SYSTEM COMPONENTS HIGH PRESSURE FUEL LINE FLEXIBLE
		HOSE WITH END CONNECTIONS HAVING SERVICE PRESSURE EXCEEDING 2 15MPa
		21 5 BAR First Revision
11	TED 26 (18377) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15719:2006	GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS
		ELECTRICAL WIRING KIT First Revision
12	TED 26 (18378) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15720:2008	GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS CNG
		BIO- CNG LPG COMPARTMENT SUB- COMPARTMENT First Revision
13	TED 26 (18379) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15721:2006	GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS FIRE
		RETARDANT MATERIAL FOR SEAT UPHOLSTERY ROOF AND SIDE LINING First
		Revision
14	TED 26 (18380) Revision	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL
	of: IS 15722:2006	GAS BIO - CNG FUEL SYSTEM COMPONENTS FLEXIBLE FUEL LINE WITH END
		CONNECTIONS CNG FUEL LINE HAVING PRESSURE NOT EXCEEDING 2 15MPa 21 5
		BAR First Revision

Total Published Standards:43 Total Standards Under development:16

Aspect Wise Report

Product: 50
Code of Practices: 1
Methods of Test: 5
Terminology: 3
Dimensions: 1
System Standard: 0

Safety Standard : 2 Others : 1 Service Specification : 0

Process Specification: 0 Unclassified: 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS/ISO 12619-3 : 2014	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-3: 2014	NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE REGULATOR
	ISO 18134-2 : 2017	
2	IS/ISO 12619-4 : 2016	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-4: 2016	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS CHECK VALVE
	ISO 18134-3 : 2015	
3	IS/ISO 12619-5 : 2016	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-5: 2016	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PART 5 MANUAL CYLINDER
	ISO 18846 : 2016	VALVE
4	IS/ISO 12619-6 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND
	ISO 12619-6: 2017	HYDROGENNATURAL GAS BLEND FUEL SYSTEM COMPONENTS AUTOMATIC
	ISO 21470 : 2020	VALVE
		ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND

5	IS/ISO 12619-7 : 2017 ISO 12619-7: 2017	HYDROGENNATURAL GAS BLENDS FUEL SYSTEM COMPONENTS GAS INJECTOR
1	16075-2 : 2015	
6	IS/ISO 12619-8 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND
	ISO 12619-8: 2017	HYDROGENNATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE
	ISO 23443 : 2020	INDICATOR
7	IS/ISO 12619-9 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND
' I	Adoption of ISO 1261	HYDROGENNATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE RELIEF
	16075-3 : 2015	VALVE PRV
8	IS/ISO 12619-10 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-10: 2017	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE RELIEF DEVICE
<u> </u>	ISO 15653:2018	PRD
9	IS/ISO 12619-11 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-11 : 2017	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS EXCESS FLOW VALVE
	ISO 20158:2018	
10	IS/ISO 12619-12 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-12 : 2017	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS GAS-TIGHT HOUSING AND
	ISO 20754:2018	VENTILATION HOSES
11	IS/ISO 12619-13 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
	ISO 12619-13 : 2017	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS RIGID FUEL LINE IN
	ISO 20932-1:2018	STAINLESS STEEL
12	IS/ISO 12619-14 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN
12	ISO 12619-14: 2017	NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FLEXIBLE FUEL LINE
		NATORAL GAS BLENDS FOEL STSTEM COMPONENTS FLEXIBLE FOEL LINE
12	ISO/IEC 29192-7:2019	DO 1 D MENIOL EG COMBREGGED GAGEONIG INVDROGEN GGNA AND
13	IS/ISO 12619-15 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND
	ISO 12619-15: 2017	HYDROGENNATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FILTER
	56002	
14	IS 15712 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Automatic valve Solenoid
	ISO 15500-6	Valve
	Reviewed In: 2021 ISO	
	15500-6: 2001	
15	IS 15713 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Pressure regulator
	ISO 15500-9	
	Reviewed In: 2021 ISO	
	15500-9: 2001	
16	IS 15714 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Gas air mixer
	ISO 15500-11	Troub volitore compressed initiating gas enverted by stem components.
	Reviewed In: 2021 ISO	
	15500-11: 2001	
17	IS 15715 : 2008	Road vehicles - Compressed natural gas CNG fuel system components - Conduit Ventilation Hose
1 /		Road vehicles - Compressed natural gas CNO fuel system components - Conduit Ventuation Hose
10	Reviewed In : 2019	
18	IS 15716 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Cng high pressure fuel
 	Reviewed In: 2021	line Rigid with end connections having pressure exceeding 2 15 mpa 21 5 Bar
19	IS 15717 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Petrol valve Automatic
\vdash	Reviewed In: 2021	manual
20	IS 15718 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Cng high pressure fuel
	Reviewed In: 2021	line Flexible Hose with end connections having service pressure exceeding 2 15 mpa 21 5 Bar
21	IS 15719 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Electrical wiring kit
	Reviewed In: 2021	
22	IS 15720 : 2008	Road vehicles - Compressed natural gas CNG fuel system components - Compartments sub -
	Reviewed In: 2019	Compartments
23	IS 15721 : 2006	Road vehicles - Compressed natijral gas CNG - Fire retardant material for seat upholstery roof and
	Reviewed In: 2021	side lining
24	IS 15722 : 2006	Road vehicles - Compressed natural gas CNG fuel system components - Cng low - Pressure
-	Reviewed In: 2021	flexible fuel line with end connections cng fuel line having pressure not exceeding 2 15 mpa 21 5
	ACTIONOU III , 2021	Bar
25	IS 15723 : 2006	Road vehicles - Compressed natural gas CNG Fuel system components - Current limiting devices
23	Reviewed In : 2021	Road verifies - Compressed natural gas CIVO ruei system components - Current miniting devices
26	IS 16009 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Shut off valve

I	Reviewed In: 2018	
27	IS 16053 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Pressure regulator and
	Reviewed In: 2018	vapourizer
28	IS 16062 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Pressure and or temperature
	Reviewed In: 2018	sensor
29	IS 16063 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Lpg filter unit
	Reviewed In: 2018	
30	IS 16064 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Gas mixing piece
	Reviewed In: 2018	The state of the s
31	IS 16065 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Fuel rail
	Reviewed In: 2018	Troub voluntes Exquestion gui Er e optorno equipment i un tun
32	IS 16367 : 2017	Road vehicles - Liquefied petroleum gas LPG specific equipment - Gas injector
"-	15 16567 1 2617	Troud (only) 21querrou pouroroum gus 21 e spoom o oquipment eus injouter
33	IS 19026 (Part 3): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
33	ISO 12614-3:2021	PART 3 CHECK VALVE
	150 12014-3,2021	TAKT J CHECK VALVE
34	IS 19026 (Part 4): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
34	ISO 12614-4:2021	PART 4 MANUAL VALVE
	130 12014-4.2021	FART 4 WANUAL VALVE
35	IS 19026 (Part 5) : 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
33	` '	PART 5 TANK PRESSURE GAUGE
	ISO 12614-5:2021	PART 3 TANK PRESSURE GAUGE
26	IG 10026 (D. 17), 2022	DOAD VIEWOLEG LIQUEETED MATEURAL GAGLING EVEL GWOTEN GOLIDATENTO
36	IS 19026 (Part 7): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-7:2021	PART 7 PRESSURE RELIEF VALVE PRV
2=	VG 10026 (D. 10) 2022	DO AD AVENUOL DO ANOLUETED ANA TRADA A GARANG TRADA GARANG TRADA GARANG TRADA
37	IS 19026 (Part 8): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-8:2021	PART 8 EXCESS FLOW VALVE
20	VG 10026 (D. 10) 2022	DO AD ATELYON DO ANOLUDE DA ATELYDA A GARANG DA DO ADOLUDADO
38	IS 19026 (Part 9): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-9:2021	PART 9 GAS-TIGHT HOUSING AND VENTILATION HOSE
	YG 10025 (D. 110) 2022	DO LD VIEW ON DO VIOLEND AND THE
39	IS 19026 (Part 10): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-10:2021	PART 10 RIGID FUEL LINE IN STAINLESS STEEL
	77 1000 (7 11)	
40	IS 19026 (Part 11): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-11:2021	PART 11 FITTINGS
41	IS 19026 (Part 12): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-12:2021	PART 12 RIGID FUEL LINE IN COPPER AND ITS ALLOYS
42	IS 19026 (Part 13): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-13:2021	PART 13 TANK PRESSURE CONTROL REGULATOR
	VG 4000 5 77 551	
43	IS 19026 (Part 14): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-14:2021	PART 14 DIFFERENTIAL PRESSURE FUEL CONTENT GAUGE
	77,1000	
44	IS 19026 (Part 15): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-15:2021	PART 15 CAPACITANCE FUEL CONTENT GAUGE
45	IS 19026 (Part 16): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-16:2021	PART 16 HEAT EXCHANGER-VAPORIZER
46	IS 19026 (Part 17): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-17:2021	PART 17 NATURAL GAS DETECTOR
47	IS 19026 (Part 18): 2023	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS
	ISO 12614-18:2021	PART 18 GAS TEMPERATURE SENSOR
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48	IS 19026 (Part 19): 2023 ISO 12614-19:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 19 AUTOMATIC VALVE
49	IS 19035 : 2023 ISO 16964: 2019	GAS CYLINDERS FLEXIBLE HOSES ASSEMBLIES SPECIFICATION AND TESTING
50	IS 19036 : 2023 ISO 23273: 2013	Fuel cell road vehicles Safety specifications Protection against hydrogen hazards for vehicles fuelled with compressed hydrogen