

## 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), Liquefied Natural Gas (LNG), Liquefied 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 : 2014 ISO 12619-1 : 2014 <span style="color: green;">ISO 12619-1 : 2014</span>	Road Vehicles Compressed Gaseous Hydrogen CGH2 And Hydrogen Natural Gas Blend Fuel System Components Part 1: General Requirements And Definitions		-	Identical under dual numbering
2	IS/ISO/IEC 12619-2 : 2014 ISO 12619-2 : 2014 <span style="color: green;">ISO 12619-2 : 2014</span>	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PART 2: PERFORMANCE AND GENERAL TEST METHODS		-	Identical under dual numbering
3	IS/ISO 12619-3 : 2014 ISO 12619-3: 2014 <span style="color: green;">ISO 12619-3: 2014</span>	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE REGULATOR		-	Identical under dual numbering
4	IS/ISO 12619-4 : 2016 ISO 12619-4: 2016 <span style="color: green;">ISO 12619-4: 2016</span>	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS CHECK VALVE		-	Identical under dual numbering
5	IS/ISO 12619-5 : 2016 ISO 12619-5: 2016 <span style="color: green;">ISO 12619-5: 2016</span>	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM		-	Identical under dual numbering

		COMPONENTS PART 5: MANUAL CYLINDER VALVE			
6	IS/ISO 12619-6 : 2017 ISO 12619-6: 2017 ISO 12619-6: 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS AUTOMATIC VALVE		-	Identical under dual numbering
7	IS/ISO 12619-7 : 2017 ISO 12619-7: 2017 ISO 12619-7: 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS GAS INJECTOR		-	Identical under dual numbering
8	IS/ISO 12619-8 : 2017 ISO 12619-8: 2017 ISO 12619-8: 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE INDICATOR		-	Identical under dual numbering
9	IS/ISO 12619-9 : 2017 Adoption of ISO 1261 Adoption of ISO 1261	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE RELIEF VALVE PRV		-	Identical under dual numbering
10	IS/ISO 12619-10 : 2017 ISO 12619-10: 2017 ISO 12619-10: 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE RELIEF DEVICE PRD		-	Identical under dual numbering
11	IS/ISO 12619-11 : 2017 ISO 12619-11 : 2017 ISO 12619-11 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS EXCESS FLOW VALVE		-	Identical under dual numbering
12	IS/ISO 12619-12 : 2017 ISO 12619-12 : 2017 ISO 12619-12 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS GAS-TIGHT HOUSING AND VENTILATION HOSES		-	Identical under dual numbering
13	IS/ISO 12619-13 : 2017 ISO 12619-13 : 2017 ISO 12619-13 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS RIGID FUEL LINE IN STAINLESS STEEL		-	Identical under dual numbering
14	IS/ISO 12619-14 :	ROAD VEHICLES		-	Identical under dual

	2017 ISO 12619-14: 2017 ISO 12619-14: 2017	COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FLEXIBLE FUEL LINE			numbering
15	IS/ISO 12619-15 : 2017 ISO 12619-15: 2017 ISO 12619-15: 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FILTER		-	Identical under dual numbering
16	IS/ISO 12619-16 : 2017 ISO 12619-1 : 2014 ISO 12619-1 : 2014	Road Vehicles Compressed Gaseous Hydrogen CGH2 And Hydrogen Natural Gas Blend Fuel System Components Part 1: General Requirements And Definitions		-	Identical under dual numbering
17	IS 15710 : 2006 ISO 15500-1 Reviewed In : 2021 ISO 15500-1: 2000	Road vehicles - Compressed natural gas (CNG) fuel system components - General requirements and definitions	September, 2021	1	Modified/Technically Equivalent
18	IS 15711 : 2006 ISO 15500-2 Reviewed In : 2021 ISO 15500-2: 2001	Road vehicles - Compressed natural gas (CNG) fuel system components - Performance and general test methods	September, 2021	1	Modified/Technically Equivalent
19	IS 15712 : 2006 ISO 15500-6 Reviewed In : 2021 ISO 15500-6: 2001	Road vehicles - Compressed natural gas (CNG) fuel system components - Automatic valve (Solenoid Valve)	September, 2021	1	Modified/Technically Equivalent
20	IS 15713 : 2006 ISO 15500-9 Reviewed In : 2021 ISO 15500-9: 2001	Road vehicles - Compressed natural gas (CNG) fuel system components - Pressure regulator	September, 2021	1	Modified/Technically Equivalent
21	IS 15714 : 2006 ISO 15500-11 Reviewed In : 2021 ISO 15500-11: 2001	Road vehicles - Compressed natural gas (CNG) fuel system components - Gas/air mixer	September, 2021	1	Modified/Technically Equivalent
22	IS 15715 : 2008 Reviewed In : 2019	Road vehicles - Compressed natural gas (CNG) fuel system components - Conduit (Ventilation Hose)	December, 2019	1	Indigenous
23	IS 15716 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas (CNG) fuel system components - Cng high pressure fuel line (Rigid) with end connections [having pressure exceeding 2.15 mpa (21.5 Bar)]	September, 2021	2	Indigenous
24	IS 15717 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas (CNG) fuel system components - Petrol valve (Automatic/manual)	September, 2021	2	Indigenous
25	IS 15718 : 2006 Reviewed In : 2021	Road vehicles - Compressed 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 Bar)]	September, 2021	-	Indigenous

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

41	IS/ISO 17268 : 2020 ISO 17268 : 2020 ISO 17268 : 2020	Gaseous Hydrogen Land Vehicle Refuelling Connection Devices		-	Identical under single numbering
42	IS 19026 (Part 1) : 2023 ISO 12614-1:2021 ISO 12614-1:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS - PART 1 : GENERAL REQUIREMENTS AND DEFINITIONS		-	Identical under dual numbering
43	IS 19026 (Part 2) : 2023 ISO 12614-2:2021 ISO 12614-2:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 2: PERFORMANCE AND GENERAL TEST METHODS		-	Identical under dual numbering
44	IS 19026 (Part 3) : 2023 ISO 12614-3:2021 ISO 12614-3:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 3: CHECK VALVE		-	Identical under dual numbering
45	IS 19026 (Part 4) : 2023 ISO 12614-4:2021 ISO 12614-4:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 4: MANUAL VALVE		-	Identical under dual numbering
46	IS 19026 (Part 5) : 2023 ISO 12614-5:2021 ISO 12614-5:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 5: TANK PRESSURE GAUGE		-	Identical under dual numbering
47	IS 19026 (Part 7) : 2023 ISO 12614-7:2021 ISO 12614-7:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 7 : PRESSURE RELIEF VALVE (PRV)		-	Identical under dual numbering
48	IS 19026 (Part 8) : 2023 ISO 12614-8:2021 ISO 12614-8:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 8: EXCESS FLOW VALVE		-	Identical under dual numbering
49	IS 19026 (Part 9) : 2023 ISO 12614-9:2021 ISO 12614-9:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 9 GAS-TIGHT HOUSING AND VENTILATION HOSE		-	Identical under dual numbering
50	IS 19026 (Part 10) : 2023 ISO 12614-10:2021 ISO 12614-10:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 10: RIGID FUEL LINE IN STAINLESS STEEL		-	Identical under dual numbering
51	IS 19026 (Part 11) : 2023 ISO 12614-11:2021 ISO 12614-11:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 11 : FITTINGS		-	Identical under dual numbering
52	IS 19026 (Part 12) :	ROAD VEHICLES $i_c^{1/2}$		-	Identical under dual

	2023 ISO 12614-12:2021 ISO 12614-12:2021	LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 12: RIGID FUEL LINE IN COPPER AND ITS ALLOYS			numbering
53	IS 19026 (Part 13) : 2023 ISO 12614-13:2021 ISO 12614-13:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 13: TANK PRESSURE CONTROL REGULATOR		-	Identical under dual numbering
54	IS 19026 (Part 14) : 2023 ISO 12614-14:2021 ISO 12614-14:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 14: DIFFERENTIAL PRESSURE FUEL CONTENT GAUGE		-	Identical under dual numbering
55	IS 19026 (Part 15) : 2023 ISO 12614-15:2021 ISO 12614-15:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 15: CAPACITANCE FUEL CONTENT GAUGE		-	Identical under dual numbering
56	IS 19026 (Part 16) : 2023 ISO 12614-16:2021 ISO 12614-16:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 16: HEAT EXCHANGER-VAPORIZER		-	Identical under dual numbering
57	IS 19026 (Part 17) : 2023 ISO 12614-17:2021 ISO 12614-17:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 17: NATURAL GAS DETECTOR		-	Identical under dual numbering
58	IS 19026 (Part 18) : 2023 ISO 12614-18:2021 ISO 12614-18:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 18: GAS TEMPERATURE SENSOR		-	Identical under dual numbering
59	IS 19026 (Part 19) : 2023 ISO 12614-19:2021 ISO 12614-19:2021	ROAD VEHICLES $i_c^{1/2}$ LIQUEFIED NATURAL GAS (LNG) FUEL SYSTEM COMPONENTS $i_c^{1/2}$ PART 19: AUTOMATIC VALVE		-	Identical under dual numbering
60	IS 19032 : 2023	ROAD VEHICLES-LIQUEFIED PETROLEUM GAS LPG SPECIFIC EQUIPMENT-LPG FLEXIBLE HOSE		-	Indigenous
61	IS 19035 : 2023 ISO 16964: 2019 ISO 16964: 2019	GAS CYLINDERS FLEXIBLE HOSES ASSEMBLIES SPECIFICATION AND TESTING		-	Identical under dual numbering
62	IS 19036 : 2023 ISO 23273: 2013 ISO 23273: 2013	Fuel cell road vehicles Safety specifications Protection against hydrogen hazards for vehicles fuelled with compressed hydrogen		-	Identical under dual numbering
63	IS/ISO 23828 : 2013 ISO 23828 : 2013 ISO 23828 : 2013	FUEL CELL ROAD VEHICLES - ENERGY CONSUMPTION MEASUREMENT - VEHICLES FUELLED WITH COMPRESSED		-	Identical under dual 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
<i>No Records Found</i>		

## Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	TED 26 (14995)	Road vehicles - Compressed natural gas CNG fuel systems components - General requirements and definitions
2	TED 26 (15007)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO - COMPRESSED NATURAL GAS BIO - CNG FUEL SYSTEM COMPONENTS PERFORMANCE AND GENERAL TEST METHODS First Revision
3	TED 26 (15008)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG FUEL SYSTEM COMPONENTS AUTOMATIC VALVE SOLENOID VALVE First Revision
4	TED 26 (15013)	Road vehicles - Compressed natural gas CNG fuel system components - Conduit Ventilation Hose
5	TED 26 (15014)	Road vehicles - Compressed natural gas CNG fuel system components - Cng high pressure fuel line Rigid with end connections having pressure exceeding 215 mpa 215 Bar
6	TED 26 (15015)	Road vehicles - Compressed natural gas CNG Fuel system components - Current limiting devices
7	TED 26 (15681)	ROAD VEHICLES - LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS - PERFORMANCE AND GENERAL TEST METHODS
8	TED 26 (18368)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG FUEL SYSTEM COMPONENTS PRESSURE REGULATOR First Revision
9	TED 26 (18373)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO - COMPRESSED NATURAL GAS BIO- CNG FUEL SYSTEM COMPONENTS GAS AIR MIXER First Revision
10	TED 26 (18374)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS PETROL VALVE AUTOMATIC MANUAL First Revision
11	TED 26 (18375)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL 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
12	TED 26 (18377)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS ELECTRICAL WIRING KIT First Revision
13	TED 26 (18378)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS CNG BIO- CNG LPG COMPARTMENT SUB- COMPARTMENT First Revision
14	TED 26 (18379)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL GAS BIO- CNG LIQUEFIED PETROLEUM GAS LPG FUEL SYSTEM COMPONENTS FIRE RETARDANT MATERIAL FOR SEAT UPHOLSTERY ROOF AND SIDE LINING First Revision
15	TED 26 (18380)	ROAD VEHICLES COMPRESSED NATURAL GAS CNG BIO- COMPRESSED NATURAL

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

### Finalized Draft Indian Standard

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

### Finalized Draft Indian Standards under Print

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

**Total Published Standards:43 Total Standards Under development:15**

### 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

Sl. No.	IS No. & Year	Title
<i>No Records Found</i>		

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS/ISO 12619-3 : 2014 ISO 12619-3: 2014 ISO 18134-2 : 2017	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS PRESSURE REGULATOR
2	IS/ISO 12619-4 : 2016 ISO 12619-4: 2016 ISO 18134-3 : 2015	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS CHECK VALVE
3	IS/ISO 12619-5 : 2016 ISO 12619-5: 2016 ISO 18846 : 2016	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PART 5 MANUAL CYLINDER VALVE
4	IS/ISO 12619-6 : 2017 ISO 12619-6: 2017 ISO 21470 : 2020	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLEND FUEL SYSTEM COMPONENTS AUTOMATIC VALVE
5	IS/ISO 12619-7 : 2017 ISO 12619-7: 2017 16075-2 : 2015	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS GAS INJECTOR
6	IS/ISO 12619-8 : 2017 ISO 12619-8: 2017 ISO 23443 : 2020	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE INDICATOR
7	IS/ISO 12619-9 : 2017 Adoption of ISO 1261	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE RELIEF



	16075-3 : 2015	VALVE PRV
8	IS/ISO 12619-10 : 2017 ISO 12619-10: 2017 ISO 15653:2018	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS PRESSURE RELIEF DEVICE PRD
9	IS/ISO 12619-11 : 2017 ISO 12619-11 : 2017 ISO 20158:2018	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS EXCESS FLOW VALVE
10	IS/ISO 12619-12 : 2017 ISO 12619-12 : 2017 ISO 20754:2018	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS GAS-TIGHT HOUSING AND VENTILATION HOSES
11	IS/ISO 12619-13 : 2017 ISO 12619-13 : 2017 ISO 20932-1:2018	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS RIGID FUEL LINE IN STAINLESS STEEL
12	IS/ISO 12619-14 : 2017 ISO 12619-14: 2017 ISO/IEC 29192-7:2019	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FLEXIBLE FUEL LINE
13	IS/ISO 12619-15 : 2017 ISO 12619-15: 2017 56002	ROAD VEHICLES COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGEN NATURAL GAS BLENDS FUEL SYSTEM COMPONENTS FILTER
14	IS 15712 : 2006 ISO 15500-6 Reviewed In : 2021 ISO 15500-6: 2001	Road vehicles - Compressed natural gas CNG fuel system components - Automatic valve Solenoid Valve
15	IS 15713 : 2006 ISO 15500-9 Reviewed In : 2021 ISO 15500-9: 2001	Road vehicles - Compressed natural gas CNG fuel system components - Pressure regulator
16	IS 15714 : 2006 ISO 15500-11 Reviewed In : 2021 ISO 15500-11: 2001	Road vehicles - Compressed natural gas CNG fuel system components - Gas air mixer
17	IS 15715 : 2008 Reviewed In : 2019	Road vehicles - Compressed natural gas CNG fuel system components - Conduit Ventilation Hose
18	IS 15716 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas CNG fuel system components - Cng high pressure fuel line Rigid with end connections having pressure exceeding 2 15 mpa 21 5 Bar
19	IS 15717 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas CNG fuel system components - Petrol valve Automatic manual
20	IS 15718 : 2006 Reviewed In : 2021	Road vehicles - Compressed 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 Bar
21	IS 15719 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas CNG fuel system components - Electrical wiring kit
22	IS 15720 : 2008 Reviewed In : 2019	Road vehicles - Compressed natural gas CNG fuel system components - Compartments sub - Compartments
23	IS 15721 : 2006 Reviewed In : 2021	Road vehicles - Compressed natijral gas CNG - Fire retardant material for seat upholstery roof and side lining
24	IS 15722 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas CNG fuel system components - Cng low - Pressure flexible fuel line with end connections cng fuel line having pressure not exceeding 2 15 mpa 21 5 Bar
25	IS 15723 : 2006 Reviewed In : 2021	Road vehicles - Compressed natural gas CNG Fuel system components - Current limiting devices
26	IS 16009 : 2013 Reviewed In : 2018	Road vehicles - Liquefied petroleum gas LPG specific equipment - Shut off valve
27	IS 16053 : 2013 Reviewed In : 2018	Road vehicles - Liquefied petroleum gas LPG specific equipment - Pressure regulator and vapourizer
28	IS 16062 : 2013 Reviewed In : 2018	Road vehicles - Liquefied petroleum gas LPG specific equipment - Pressure and or temperature sensor
29	IS 16063 : 2013 Reviewed In : 2018	Road vehicles - Liquefied petroleum gas LPG specific equipment - Lpg filter unit
30	IS 16064 : 2013	Road vehicles - Liquefied petroleum gas LPG specific equipment - Gas mixing piece

	Reviewed In : 2018	
31	IS 16065 : 2013 Reviewed In : 2018	Road vehicles - Liquefied petroleum gas LPG specific equipment - Fuel rail
32	IS 16367 : 2017	Road vehicles - Liquefied petroleum gas LPG specific equipment - Gas injector
33	IS 19026 (Part 3) : 2023 ISO 12614-3:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 3 CHECK VALVE
34	IS 19026 (Part 4) : 2023 ISO 12614-4:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 4 MANUAL VALVE
35	IS 19026 (Part 5) : 2023 ISO 12614-5:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 5 TANK PRESSURE GAUGE
36	IS 19026 (Part 7) : 2023 ISO 12614-7:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 7 PRESSURE RELIEF VALVE PRV
37	IS 19026 (Part 8) : 2023 ISO 12614-8:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 8 EXCESS FLOW VALVE
38	IS 19026 (Part 9) : 2023 ISO 12614-9:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 9 GAS-TIGHT HOUSING AND VENTILATION HOSE
39	IS 19026 (Part 10) : 2023 ISO 12614-10:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 10 RIGID FUEL LINE IN STAINLESS STEEL
40	IS 19026 (Part 11) : 2023 ISO 12614-11:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 11 FITTINGS
41	IS 19026 (Part 12) : 2023 ISO 12614-12:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 12 RIGID FUEL LINE IN COPPER AND ITS ALLOYS
42	IS 19026 (Part 13) : 2023 ISO 12614-13:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 13 TANK PRESSURE CONTROL REGULATOR
43	IS 19026 (Part 14) : 2023 ISO 12614-14:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 14 DIFFERENTIAL PRESSURE FUEL CONTENT GAUGE
44	IS 19026 (Part 15) : 2023 ISO 12614-15:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 15 CAPACITANCE FUEL CONTENT GAUGE
45	IS 19026 (Part 16) : 2023 ISO 12614-16:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 16 HEAT EXCHANGER-VAPORIZER
46	IS 19026 (Part 17) : 2023 ISO 12614-17:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 17 NATURAL GAS DETECTOR
47	IS 19026 (Part 18) : 2023 ISO 12614-18:2021	ROAD VEHICLES LIQUEFIED NATURAL GAS LNG FUEL SYSTEM COMPONENTS PART 18 GAS TEMPERATURE SENSOR
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

