

Standards Manager Web Standards List

IGS-Iranian Gas standards

Id	Number	Title	Year	Organization	Page
1	M-PL-034	Underground Yellow Warning Tape	2020	IGS	
2	M-IN-104	Multipath Ultrasonic Transit-Time Gas Flow Meter	2019	IGS	
3	M-IN-306	Seismic Qualification of Active Shut-off System for DRS/TBS Against Earthquake	2018	IGS	
4	M-PL-014-3	Transition Fittings,T.F. part-3	2018	IGS	
5	M-PL-019	Meter Stop Valves for Steel Gas service Lines	2018	IGS	
6	M-PL-028	Pig Receiver & Luncher Trap	2018	IGS	
7	E-IN-110	Natural Gas Flow Measuring Systems	2018	IGS	
8	M-CH-024	Activated Carbon for use in Gas Sweetening System	2018	IGS	
9	M-CH-026	Inhibiting Package for Cooling Water System	2018	IGS	
10	M-PL-035	Spiral Wound Gasket (Class Rating 150,300,600)	2018	IGS	
11	M-PL-037	Malleable Ductile Cast Iron Fittings	2018	IGS	
12	M-PM-111	Dry Gas Filter Cartridge	2018	IGS	
13	M-TP-014-3	Heat Shrinkable Sleeve for Temperature upto 80 C.	2018	IGS	
14	M-PM-105	Dry Gas Filter	2017	IGS	
15	M-CH-031	Chemical Foam Inhibitor(Antifoam) for Use in Amine Gas Sweetening System	2017	IGS	
16	C-TP-023	Internal Epoxy Coating of Line Pipe for Sweet Gas Transmission Services	2017	IGS	
17	M-PL-014-1AnnexC	Pipes With Co-Extruded layers Exclusively Use for Anti-Rodent Pipes	2017	IGS	
18	M-PL-002-1	Plug Valves	2017	IGS	
19	M-PL-002-3	Flanged / Welded End Ball Valves Size 2" to 24" Class Rating 150,300 and 60	2017	IGS	
20	M-PL-006	Insulating Joints	2017	IGS	
21	M-IN-305	Earthquake Accelerometers in Automatic Shut-Off System of Urban Gas Stations	2017	IGS	
22	M-IT-008	Communication Cables (Telephone and Data Transmission)	2016	IGS	
23	M-PL-001-2	SMLS / HFW / SAWL / SAWH Carbon Steel Pipes, Grades B to X80, Sizes : 6 to 56 inch	2016	IGS	
24	C-TP-010	3-Layer Polyethylene Coating System	2016	IGS	
25	M-CH-057	Emergency Power Generators Gas Engine Oil	2016	IGS	
26	M-PM-106	Forced Draught Indirect Water Bath Heater	2016	IGS	
27	M-TP-014-6	Heat Shrinkable Sleeve for Temperature upto 60 C.	2016	IGS	
28	M-TP-014-7	Heat Shrinkable Sleeve for Temperature upto 50 C.	2016	IGS	
29	M-SF-005	Powder Extinguishers 50 & 75Kg , Mobile Type	2016	IGS	
30	O-MN-001	Collection and Exchange of Reliability and Maintenance Data for Equipments in the Natural Gas Industries	2016	IGS	
31	M-CH-051-2	Molecular Sieve , Type 4A	2015	IGS	
32	M-CH-051-3	Molecular Sieve , Type 5A	2015	IGS	
33	M-CH-051-4	Molecular Sieve , Type 13X	2015	IGS	
34	M-PL-014-1	P.E. Pipes part-1	2015	IGS	
35	M-IN-101	Gas Meters,Diaphragm Type	2015	IGS	
36	M-IN-102	Gas Meters,Turbine Type	2015	IGS	

37	M-EL-001	Conduits	2014	IGS	
38	M-CH-033	Pipeline Quality Natural Gas	2014	IGS	
39	M-CH-054	Claus Catalysts	2013	IGS	
40	M-EL-024-2	Controlgear for LED Lighting Fixtures	2013	IGS	
41	M-CH-021	Silica Gel Types H and WS for Control of Hydrocarbon and Water Dew Point in Natural Gas	2011	IGS	
42	M-CH-022	Diethylene Glycol for Dehydration of Natural Gas	2010	IGS	
43	M-CH-023	Diethylene Amine for use in Kangan Gas Sweetening System	2010	IGS	
44	M-TP-022	Mixed Metal Oxide (MMO) Coated Titanium Anode	2010	IGS	
45	M-TP-015	Pipeline Casing Insulators and End Seals	2009	IGS	
46	M-TP-017	Flange Insulation Kits	2009	IGS	
47	M-IN-202	Gas Pressure Regulators for Nominal Inlet Pressure 5 to 100 bar (72-1450 psig)	2009	IGS	0
48	M-TP-014-2-C	3-Ply Cold Applied Plastic Tapes part-2,sec-C	2008	IGS	
49	R-TP-024	Selection of External Coating for Buried Pipeline	2008	IGS	
50	M-TP-14-4	Hand-Applied Two-Layer P.E Tape	2006	IGS	
51	SADDLE-FUSION	PE WELDING GUIDANCE (SADDLE-FUSION)	2002	IGS	0
52	M-CH-029	Filtering Material/s for use in DEA Plant of Kangan Gas Refinery	1999	IGS	
53	M-TP-011-1	Bitumen Based Coating Material,Medium Grade	1999	IGS	
54	M-TP-011-2	Bitumen Based Coating Material,Hard Grade	1997	IGS	
55	M-CH-028	Thermal Insulating Cement	1996	IGS	
56	M-IN-102	Gas Meters,Turbine Type	1987	IGS	0
57	C-DN-100		1398	IGS	
58	C-IT-003	Fiber Optic Cable Installation Practice (Outside of the Gas Pipeline Trench)	1398	IGS	
59	M-EL-033	Polarization Cell Replacement	1398	IGS	
60	M-SF-008	Industrial Clothes	1398	IGS	
61	M-TP-027	External Liquid Epoxy Coating for Rehabilitation and Repair of Buried Steel Pipelines, Bends, Field Joints,Valves and Fittings	1398	IGS	
62	M-PL-040	Carbon Steel Flanges, Class 150 up to 900	1397	IGS	
63	M-EL-032	Potential Transformers	1397	IGS	
64	M-EL-029	Current Transformers	1397	IGS	
65	M-PL-017	P.E. Welding Machines , Butt Fusion type	1397	IGS	
66	I-EL-002	Circuit Breakers	1397	IGS	
67	I-EL-003	Circuit Breakers	1397	IGS	
68	I-GN-010	Overhead Cranes	1397	IGS	
69	C-DN-005		1397	IGS	
70	I-EL-007	Earthing System	1396	IGS	
71	I-GN-005	Mobile Cranes	1396	IGS	
72	I-GN-006	Chain and Lever Block	1396	IGS	
73	I-GN-007	Side Boom	1396	IGS	
74	I-GN-008	Lift Truck	1396	IGS	
75	E-EL-032	Explosion Proof Electrical Equipments Layout in Risk Areas for Pressure Reduction Stations (TBS, CGS)and Measuring Stations (MS)	1396	IGS	

76	I-DN-001	Construction and Leakage Test for Distribution Networks	1396	IGS	
77	I-EL-001	Enhancing Componds for Reducing The Electrical Resistance of Earthing System	1396	IGS	
78	C-TP-030	Hot Applied External Coating for Steel Pipes((Coal tar and Bitumen Enamel)	1396	IGS	
79	C-PL-100	Gas Pipeline Execution	1396	IGS	
80	C-SF-011	Color Coding of Gas Cylinders	1396	IGS	
81	I-PM-001	Pressure Vessels	1396	IGS	
82	I-TP-001	Cathodic Protection Systems(Tools and Measuring Devices)	1396	IGS	
83	I-TP-002	Cathodic Protection Systems	1396	IGS	
84	M-CH-060	Granolated Sulfur	1396	IGS	
85	M-CH-061	Sulfur Bentonite Fertilizer	1396	IGS	
86	M-PL-001-1	SMLS/HFW Carbon Steel Pipes, Grade B, Sizes : 1/2 to 4 inch.	1396	IGS	
87	M-EL-031	Switching Power Supplies for Cathodic Protection	1396	IGS	
88	M-IN-304	Gas Over Oil Actuators	1396	IGS	
89	M-IN-307	Flammable Gas Detectors	1396	IGS	
90	O-TP-001	Maintenance and Rehabilitation of Coatings of Gas Pipeline under Operatio	1396	IGS	
91	O-MN-002	Risk Based Maintanance and Consequence Classification	1396	IGS	
92	O-SF-004	Natural Gas Leakage Control in Transmission Pipeline and Distribution Networks	1396	IGS	
93	R-PM-112	Acoustical Designing of Reducing and Metering Gas Stations	1396	IGS	
94	R-ST-001	Structural Design of New Flat TBS Stations	1395	IGS	
95	R-CH-055	Fluid Condition Monitoring of Indirect Water Bath Heaters in City Gate Stations	1395	IGS	
96	O-SF-005-2	Confinde Space	1395	IGS	
97	M-PL-033	Hot Tapping Split Tee	1395	IGS	
98	M-CH-059	Experimental Test Method of Silicon Based Antifoam for Using In Sweetening Gas Plants	1395	IGS	
99	M-EL-023	Miniature Circuit Breakers (MCB)	1395	IGS	
100	M-PL-024	P.E Squeezer	1395	IGS	
101	M-PL-025	Geotextile Fabrics	1395	IGS	
102	M-PL-016	P.E. Welding Machines,Elctrofusion	1395	IGS	
103	M-CH-020	Activated Alumina ,AL2o3	1395	IGS	
104	C-PL-025	Application Procedure of Geotextile Fabrics for Preventing Gas Pipelines Buoyancy Phenomena	1395	IGS	
105	C-IN-100	Installation Locatoin of Measuring Equipments for Natural Gas Quantitie	1395	IGS	
106	C-DN-009		1395	IGS	
107	C-DN-002	WELDERS QUALITY EVALUATION	1395	IGS	
108	C-DN-008	Code of Practice for Secure Implementation of City Gas Distribution Polyethylene Networks Against Rodent Attacks	1394	IGS	
109	C-IN-503	Code of Practice for Atmospheric Calibration of Turbine Gas Meters for Commercial and Industrial Usages	1394	IGS	
110	E-EL-026	Solar Power Supply for Gas Stations	1394	IGS	
111	E-EL-028	Direct Acting Indicating Analogue Electrical Measuring Instruments and Their Accessories	1394	IGS	
112	E-IT-007	Telecommunication Building of the Valve Stations	1394	IGS	
113	I-IN-101	Gas Meters Diaphragm Type	1394	IGS	
114	M-CH-058	Propane , Buthane and LPG Specifications	1394	IGS	
115	M-PL-036	Cast Iron Offset Swivel	1394	IGS	
116	M-TP-020	External Liquid Polyurethane Coating for Rehabilitation and Repair of Buried Steel Pipelines , Coating of Field joints , Buried Steel Pipings and New Coating of Valves	1394	IGS	

117	O-SF-005-1	Mechanical and Process Isolation	1394	IGS	
118	R-EL-027	Field Testing and Evaluation of the Insulation of Power Cable Systems (new and aged)	1394	IGS	
119	R-CH-056-1	Instruction for Quantative Measurment of the Components of Heat Stable Salts and Organic Salts by Ion Chromatography Method	1393	IGS	
120	R-CH-056-2	Analysis Instruction for Determination of Degradation Products from Decay Alkanol Amines as the Solvent for Gas Sweetening Units	1393	IGS	
121	R-CH-056-3	Method for Measuring of Light Aromatics (BTEX) in Amine Solution	1393	IGS	
122	R-CH-053-1	Transportation , Storage , Charge and Discharge of Lubricating Oils	1393	IGS	
123	R-CH-053-2	Condition Monitoring and Sampling of Lubricating Oils	1393	IGS	
124	M-TP-014-8	Hot Applied Modified Bituminous Tape for the Corrosion Protection of Field Joints and Repair	1393	IGS	
125	M-SF-016	Safety Hat	1393	IGS	
126	M-SF-012	Safety Boots	1393	IGS	
127	M-RS-401	Specification for Measuring/ Reducing and Measuring Cabinet Type Stations with Max. Capacity up to 10,000 SCM/H	1393	IGS	
128	C-SF-015		1393	IGS	
129	C-PL-013-2	Code of Practice for Purging of Gas Pipelines Part 2 : Gas Supply Network	1393	IGS	
130	C-PL-001	Loading, Handling and Storage of Externally Coated Pipes	1393	IGS	
131	M-EL-020	Lamp Holders	1393	IGS	
132	M-IN-106	Gas Meters, Gas Volume Electronic Conversion Device (PTZ)	1392	IGS	
133	M-PL-015	P.E. Valves	1392	IGS	
134	E-IT-006	Earthing and Lightning Protection for Communication Buildings	1392	IGS	
135	M-DN-007	Composite Cover and Frame for Distribution Network Valve Holes	1392	IGS	
136	M-CH-050	Methyldiethanolamine (MDEA) and Activated Methyldiethanolamine (aMDEA) for Use in Natural Gas Sweetening Plants	1392	IGS	
137	C-DN-006	Handling ,Transportation and Storage of P.E. Pipes , Fittings and Valves	1392	IGS	
138	R-TP-028	Instant Off Potential Measuring Method on Buried Distribution and Network Gas Steel Pipes	1392	IGS	
139	R-TP-029	Liquid Polyurethane Coating for Gas Steel Service Lines and Fittings	1392	IGS	
140	R-CH-052	Mercaptan Oxidation Catalyst	1391	IGS	
141	M-TP-026	External Dual Layer Fusion Bonded Epoxy Coating for Line Pipe	1391	IGS	
142	M-PM-104	Indirect Water Bath Heater	1391	IGS	
143	M-SF-009	Personal Eye Protection Glasses	1391	IGS	
144	C-IN-501	Verifying and Certifying of Calibration Laboratories for Domestic and Commercial Diaphragm Gas Meters	1391	IGS	
145	M-EL-024-1	LED Lighting Fixtures	1391	IGS	
146	M-IN-107	Smart Gas Meter	1390	IGS	
147	M-PL-014-2	P.E. Fittings part-2	1390	IGS	
148	C-PL-013-1	Code of Practice for Purging of Gas Pipelines Part 1 : Transmission Pipeline	1390	IGS	
149	C-PL-032	Buried Valve System for Gas Basic Grids & Distribution Networks 8 to 30 inches (Including Material Specifications)	1390	IGS	
150	IGS-0	NULL	1390	IGS	
151	E-PL-031	PIG Signaler System	1390	IGS	
152	M-CH-049	ONVAN Triethylene Glycol (TEG) as a Dehydration Agent in Natural Gas Treating Plant	1390	IGS	
153	M-CH-045-1	Air Compressor Oil	1390	IGS	
154	M-CH-037	Sealant for Valves	1390	IGS	
155	C-DN-004	P.E. PIPING , CODE OF PRACTICE FOR PE T FITTINGS WELDING AND NDT TEST	1390	IGS	
156	C-CH-045-2	Periodic Inspection of Used Air Compressors Oil - Part 2	1390	IGS	

157	C-DN-001	GAS NETWORK EXECUTION	1390	IGS	
158	O-TP-002	Electrical Coating Resistance Test for Distribution & Network Gas Steel Pipes	1390	IGS	
159	O-SF-007	Safety Climb from Telecommunication Towers	1390	IGS	
160	O-SF-006	HSE REGULATIONS FOR ODORANT MATERIAL	1389	IGS	
161	M-TP-014-5	Hand-Applied Tapes ,Hot part-5	1389	IGS	
162	M-SF-001	CO2 Fire Extinguishers	1389	IGS	
163	M-SF-003	Flame Ionization Detector (FID)	1389	IGS	
164	C-DN-003	WELDING QUALITY EVALUATION	1389	IGS	
165	M-CH-046-1	Hydraulic Oil : HM (HLP) Type	1389	IGS	
166	M-CH-046-2	Hydraulic Oil : HV (HVLP) Type	1389	IGS	
167	E-IT-004	Signalling Data Requirements	1389	IGS	
168	IGS-SHORA	NULL	1389	IGS	
169	M-PL-014-4	P.E. Piping , Part 4 Polyethylene electrofusion saddle fittings	1389	IGS	
170	M-PL-029	Welding Electrodes , SERIES 80	1389	IGS	
171	M-PL-030	Welding Electrodes Series 90	1389	IGS	
172	M-PL-018	Welding Consumables	1389	IGS	
173	M-PL-010-1	Ball Valves,Class 150 part-1	1389	IGS	
174	M-PL-010-2	Ball Valves,Class 300 part-2	1389	IGS	
175	M-PL-010-3	Ball Valves,Class 600 part-3	1389	IGS	
176	M-EL-022	Electrical Contactors	1389	IGS	
177	M-EL-016	Compact Flourecent Lamps	1389	IGS	
178	M-EL-021	Lightning Air Terminal,Early Streamer Emission Type(ESE)	1388	IGS	
179	M-IN-202	Gas Pressure Regulators for Nominal Inlet Pressure 5 to 100 bar (72-1450 psig)	1388	IGS	
180	CERT-BODY	List & BackGround of Certifying Bodies , Approved by Standard Council	1388	IGS	
181	M-CH-038	Gas Odorant	1388	IGS	
182	G-ST-000	What is IGS Standard ?	1388	IGS	0
183	M-EL-023	Miniature Circuit Breakers (MCB)	1388	IGS	0
184	M-PL-027	Anchor Flange	1388	IGS	0
185	M-SF-003	Flame Ionization Detector (FID)	1388	IGS	0
186	C-PL-100	Gas Pipeline Execution	1388	IGS	0
187	C-SF-004	Gas Leak Detection Practice	1388	IGS	0
188	M-SF-014	NULL	1388	IGS	
189	M-TP-025	Cold-Applied Outer-Layer Tape for Buried Steel Pipelines	1388	IGS	
190	C-DN-002	WELDERS QUALITY EVALUATION	1387	IGS	0
191	C-DN-003	WELDING QUALITY EVALUATION	1387	IGS	0
192	C-IN-105	Calibration of Instruments	1387	IGS	0
193	C-IT-003	Fiber Optic Cable Installation Practice (Outside of the Gas Pipeline Trench)	1387	IGS	0
194	C-PL-025-2	Geotextile Fabric Part(2)	1387	IGS	0
195	M-IT-001-1	Technical Specification for Small Capacity PABX , Part(1) : less than 100 extensions	1387	IGS	0
196	M-IT-001-1	Technical Specification for Small Capacity PABX , Part(1) : less than 100 extensions	1387	IGS	0
197	M-IT-002	Optical Fiber Cable Specifications	1387	IGS	0

198	M-PL-002-1	Plug Valves	1387	IGS	0
199	M-CH-043	Turbine oil	1387	IGS	0
200	M-CH-044-1	Transformer Oil	1387	IGS	0
201	M-CH-044-2	Transformer Oil Test	1387	IGS	0
202	M-PL-014-3	Transition Fittings,T.F. part-3	1387	IGS	0
203	M-PL-016	P.E. Welding Machines,Electrofusion	1387	IGS	0
204	R-TP-024	Selection of External Coating for Buried Pipeline	1387	IGS	0
205	M-TP-014-2-C	3-Ply Cold Applied Plastic Tapes part-2,sec-C	1387	IGS	0
206	M-TP-014-3	Heat Shrinkable Sleeve for Temperature upto 80 C.	1387	IGS	0
207	M-TP-014-6	Heat Shrinkable Sleeve for Temperature upto 60 C.	1387	IGS	0
208	M-TP-014-7	Heat Shrinkable Sleeve for Temperature upto 50 C.	1387	IGS	0
209	O-CH-038	Gas Odorant	1387	IGS	0
210	M-IT-001-2	ENGLISH: PHONE Switching System , below 100 Call Nos.	1387	IGS	
211	M-IN-201	Gas Pressure Regulators ,Domestic	1387	IGS	
212	M-PL-002-2	Plug Valves	1386	IGS	
213	M-PL-003	Needle Valves	1386	IGS	
214	M-PL-004	Tee Service & Purging Valves	1386	IGS	
215	M-PL-005	Sensing Tube Lines	1386	IGS	
216	M-TP-016	Modified Bitumen Enamel Coating System	1386	IGS	0
217	M-TP-014-2-A	Polymer Bitumen Membrane part-2,sec.A	1386	IGS	0
218	M-PL-012	Meter Stop Valves for P.E. Gas Service Lines	1386	IGS	0
219	M-PL-001	Pipes,ERW,Carbon Steel,Size 3/4 to 16 in.	1386	IGS	0
220	C-DN-001	GAS NETWORK EXECUTION	1386	IGS	0
221	G-ST-001	HOW TO WRITE IGS STANDARDS	1385	IGS	0
222	M-CH-039	Solid Sodium Hydroxide /Anhydrous Caustic Soda	1385	IGS	0
223	M-IN-104	Multipath Ultrasonic Transit-Time Gas Flow Meter	1385	IGS	0
224	M-EL-021	Lightning Air Terminal,Early Streamer Emission Type(ESE)	1385	IGS	0
225	M-CH-041	Painting of Gas Reducing Stations	1385	IGS	0
226	M-TP-010-1&2	3-Layer P.E.Coating System Amendment	1385	IGS	0
227	M-PL-025-1	Geotextile Fabric part(1)	1385	IGS	0
228	M-PL-026-1	Composite Wraps part-1	1385	IGS	0
229	M-TP-014-4	Hand-Applied Tapes ,Cold part-4	1385	IGS	0
230	M-TP-014-5	Hand-Applied Tapes ,Hot part-5	1385	IGS	0
231	O-CH-042	Painting Procedure for Gas Industry Installations	1385	IGS	0
232	M-TP-020-1	Polyurethane(PUR) Coating for Pipeline Rehabilitation	1385	IGS	0
233	M-PL-010-5	Ball Valves,size 1/2 to 1.1/2 part-5	1385	IGS	
234	M-PL-002-2	Plug Valves	1384	IGS	0
235	M-CH-040	Trisodium Phosphate ,Na3PO4.12H2O	1384	IGS	0
236	M-CH-037	Sealant for Valves	1384	IGS	0
237	M-CH-038	Gas Odorant	1384	IGS	0
238	M-CH-033	Pipeline Quality Natural Gas	1383	IGS	0

239	M-IN-103	2-PSI Gas Meters ,Domestic	1383	IGS	0
240	M-TP-021	Use of Gas Service Riser in Gas Network	1383	IGS	0
241	M-PL-009	Gear Box for Ball,Plug Valves	1383	IGS	0
242	M-IN-203	2-PSI Gas Regulators,Domestic	1382	IGS	0
243	M-IN-103	2-PSI Gas Meters ,Domestic	1382	IGS	
244	M-CH-036	Inhibitor for Hydrochloric Acid Cleaning	1381	IGS	
245	M-CH-040	Trisodium Phosphate ,Na3Po4.12H2O	1381	IGS	
246	M-IN-201	Gas Pressure Regulators ,Domestic	1381	IGS	0
247	M-IN-101	Gas Meters,Diaphragm Type	1381	IGS	0
248	O-IN-100	Gas Metering Types and the appropriate Installing Locatins	1381	IGS	0
249	M-TP-017	Flange Insulation Kits	1381	IGS	0
250	M-CH-039	Solid Sodium Hydroxide /Anhydrous Caustic Soda	1380	IGS	
251	M-EL-019	Cable Splicing Kits,Bicast Resin Type	1379	IGS	
252	M-PL-011	Butterfly Valves,Class 150 ,2 to 12 in.	1379	IGS	
253	M-PL-010-4	Ball Valves,Class 800 part-4	1379	IGS	
254	M-PL-022-1	Butt Welding Ends Fittings Size 1/2 to 12 in.part-1	1379	IGS	
255	M-PL-022-2	Butt Welding Ends Fittings size 16 to 56 in.part-2	1379	IGS	
256	M-CH-032	Granular Activated Carbon for Water Treatment for Drinking & Industrial	1379	IGS	0
257	M-CH-031	Chemical Foam Inhibitor(Antifoam) for Use in Amine Gas Sweetening System	1378	IGS	0
258	M-IN-301	Safety Shutt-off Valves	1378	IGS	0
259	M-TP-011-1	Bitumen Based Coating Material,Medium Grade	1378	IGS	0
260	M-TP-011-2	Bitumen Based Coating Material,Hard Grade	1378	IGS	0
261	M-TP-014-1	PUR , PUR-TAR Material & Coating part-1	1378	IGS	0
262	ES-IN-100		1378	IGS	0
263	M-EL-015	Ballasts for Flourecent Lighting Fittings	1378	IGS	
264	M-EL-018	Thermostat for Electric Surface Heating Tapes	1378	IGS	
265	M-CH-030	Corrosion Inhibitor for Closed Water System	1378	IGS	
266	M-CH-035	Inhibitive Package For Boilers	1378	IGS	
267	M-EL-017	Electric Surface Heating Tapes	1377	IGS	
268	M-EL-013	Transformer Rectifiers for Cathodic Protection System	1377	IGS	
269	M-PL-014-1	P.E. Pipes part-1	1377	IGS	0
270	M-PL-014-2	P.E. Fittings part-2	1377	IGS	0
271	M-PL-015	P.E. Valves	1377	IGS	0
272	M-CH-030	Corrosion Inhibitor for Closed Water System	1377	IGS	0
273	M-CH-034	Acetal resin (polyoxymethylene) for Moulded Plastic Parts of Gas-Meter	1377	IGS	0
274	M-CH-035	Inhibitive Package For Boilers	1377	IGS	0
275	M-EL-002	Fuse Links	1376	IGS	0
276	M-PM-102	Odorizer,Meter Driven Type	1376	IGS	
277	M-PM-100	Odorizer,By-Pass Type for Local Manufacturing	1375	IGS	
278	M-PM-101	Odorizer,Injection Type	1375	IGS	
279	M-EL-004	Lighting Fittings	1375	IGS	0

280	M-CH-036	Inhibitor for Hydrochloric Acid Cleaning	1375	IGS	0
281	M-PL-010-1	Ball Valves,Class 150 part-1	1375	IGS	0
282	M-PL-010-2	Ball Valves,Class 300 part-2	1375	IGS	0
283	M-PL-010-3	Ball Valves,Class 600 part-3	1375	IGS	0
284	M-PL-010-4	Ball Valves,Class 800 part-4	1375	IGS	0
285	M-PL-010-5	Ball Valves,size 1/2 to 1.1/2 part-5	1375	IGS	0
286	M-PM-102	Odorizer,Meter Driven Type	1375	IGS	0
287	M-IN-302	Relief Valves	1375	IGS	
288	M-CH-027	Ceramic Fiber	1375	IGS	
289	M-CH-025	Aluminum Sulfate for Water Treatment	1375	IGS	
290	M-PM-104	Indirect Water Bath Heater	1374	IGS	0
291	M-PM-101	Odorizer,Injection Type	1374	IGS	0
292	M-PL-011	Butterfly Valves,Class 150 ,2 to 12 in.	1374	IGS	0
293	M-EL-005	Earthing Rods	1374	IGS	0
294	M-EL-001	Conduits	1373	IGS	0
295	M-EL-016	Compact Flourecent Lamps	1373	IGS	0
296	M-EL-017	Electric Surface Heating Tapes	1373	IGS	0
297	M-EL-018	Thermostat for Electric Surface Heating Tapes	1373	IGS	0
298	M-EL-019	Cable Splicing Kits,Bicast Resin Type	1373	IGS	0
299	M-EL-020	Lamp Holders	1373	IGS	0
300	M-EL-022	Electrical Contactors	1373	IGS	0
301	M-GN-001	CAR TIRE AND TUBES	1373	IGS	0
302	M-CH-026	Inhibiting Package for Cooling Water System	1373	IGS	0
303	M-CH-027	Ceramic Fiber	1373	IGS	0
304	M-CH-028	Thermal Insulating Cement	1373	IGS	0
305	M-CH-029	Filtering Material/s for use in DEA Plant of Kangan Gas Refinery	1373	IGS	0
306	M-PL-006	Insulating Joints	1373	IGS	0
307	M-PL-021	Insulating Accessories for Buried Carbon Steel Valves	1373	IGS	0
308	M-PL-022-1	Butt Welding Ends Fittings Size 1/2 to 12 in.part-1	1373	IGS	0
309	M-PL-022-2	Butt Welding Ends Fittings size 16 to 56 in.part-2	1373	IGS	0
310	M-SF-014		1373	IGS	0
311	M-PM-103	Filter Separator	1373	IGS	0
312	M-PM-100	Odorizer,By-Pass Type for Local Manufacturing	1373	IGS	0
313	C-SF-015		1373	IGS	0
314	M-PL-008	Gaskets	1373	IGS	
315	M-EL-002	Fuse Links	1372	IGS	
316	M-EL-004	Lighting Fittings	1372	IGS	
317	M-EL-005	Earthing Rods	1372	IGS	
318	M-EL-007-1	Power and Control Cables	1372	IGS	
319	M-EL-009	Fuse Boxes and Switches	1372	IGS	
320	M-EL-010	Domestic(non-industrial) Switches	1372	IGS	

321	M-PM-105	Dry Gas Filter	1372	IGS	0
322	M-TP-010-1	3-Layer P.E. Coating System part-1	1372	IGS	0
323	M-TP-010-2	3-Layer P.E. Coating System part-2	1372	IGS	0
324	M-SF-012	Safety Boots	1372	IGS	0
325	M-SF-013	Powder Extinguishers	1372	IGS	0
326	M-PL-007	Valve Actuator , Gas Over Oil Type	1372	IGS	0
327	M-PL-004	Tee Service & Purging Valves	1372	IGS	0
328	M-CH-025	Aluminum Sulfate for Water Treatment	1372	IGS	0
329	M-CH-022	Diethylene Glycol for Dehydration of Nautral Gas	1372	IGS	0
330	M-CH-023	Diethylene Amine for use in Kangan Gas Sweetening System	1372	IGS	0
331	M-EL-011	Electrical Panels ,industrial	1372	IGS	0
332	M-EL-012	Distribution Electrical Panels	1372	IGS	0
333	M-EL-013	Transformer Rectifiers for Cathodic Protection System	1372	IGS	0
334	M-EL-014	Electrical Panels for C.G.S.Stations	1372	IGS	0
335	M-EL-015	Ballasts for Flourecent Lighting Fittings	1372	IGS	0
336	M-SF-010	Safety Gloves parts (1) , (2) , (3)	1372	IGS	
337	M-SF-011	Painting & Marking of Gas Cylinders	1372	IGS	
338	M-EL-007-1	Power and Control Cables	1371	IGS	0
339	M-EL-007-2	Communication Cables part-2	1371	IGS	0
340	M-EL-009	Fuse Boxes and Switches	1371	IGS	0
341	M-EL-010	Domestic(non-industrial) Switches	1371	IGS	0
342	M-PL-003	Needle Valves	1371	IGS	0
343	M-CH-024	Activated Carbon for use in Gas Sweetening System	1371	IGS	0
344	M-CH-017	Antifreeze	1371	IGS	0
345	M-CH-018	Sodium Carbonate ,Na2Co	1371	IGS	0
346	M-CH-019	Sodium Chloride ,NaCl	1371	IGS	0
347	M-CH-020	Activated Alumina ,AL2o3	1371	IGS	0
348	M-SF-010	Safety Gloves parts (1) , (2) , (3)	1371	IGS	0
349	M-SF-011	Painting & Marking of Gas Cylinders	1371	IGS	0
350	M-PL-008	Gaskets	1370	IGS	0
351	M-PL-018	Welding Consumables	1370	IGS	0
352	M-CH-017	Antifreeze	1370	IGS	
353	M-CH-018	Sodium Carbonate ,Na2Co	1370	IGS	
354	M-CH-019	Sodium Chloride ,NaCl	1370	IGS	
355	M-PL-019	Meter Stop Valves for Steel Gas service Lines	1369	IGS	0
356	M-PL-005	Sensing Tube Lines	1369	IGS	0
357	C-SF-002		1369	IGS	0
358	M-IN-302	Relief Valves	1369	IGS	0
359	M-PM-103	Filter Separator	1369	IGS	
360	BUTT-FUSION	PE WELDING GUIDANCE (BUTT-FUSION)	0	IGS	0
361	ELECTRO-FUSION	PE WELDING GUIDANCE (ELECTRO-FUSION)	0	IGS	0

362	PE WELDING TEST GUIDANCE	PE WELDING TEST GUIDANCE	0	IGS	0
363	PE PIPING GUIDANCE	PE PIPING GUIDANCE	0	IGS	0

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